WALLACES' FARMER and Iowa Homestead

IOWA'S LEADING FARM NEWSPAPER

MARCH 5, 1955

Weaned at about three weeks of age. That's the story on these early spring pigs owned by Lloyd Ritland of Story county, Iowa. Pigs were eating dry feed prior to weaning.

Pigs Without Mammas!

Childhood disease symptoms . 38

What irrigation equipment? . . 72

Time to plan your garden . . . 82

Here's a new farm home . . . 95

ORPHAN pigs are coming into style. You'll find a a lot of 'em this spring across the Corn Belt. And they're not victims of hard luck!

They were weaned early. And their chances for health, speedy growth and survival may be better than if they had been left with sows. Improved baby pig feeds have made early weaning practical.

But early weaning doesn't do the job alone. It goes hand-in-hand with good management—use of farrowing stalls, heat lamps, etc. For more about early weaning, see page 16.

BEFORE YOU BUY... COMPARE WITH THE Firestone DEEP TREAD

NO OTHER tractor tire gives so much for so low a price.

A simple comparison between the Firestone "Deep Tread" and other tires in its price range will tell you why. You can easily see that the Firestone "Deep Tread" has more tread rubber for longer tire life . . . deeper curved and tapered bars and big powerful shoulders for maximum drawbar pull . . . and flared tread openings for positive cleaning in any soil condition.

You can save money and get more work done with the Firestone "Deep Tread" Tractor Tire. The price of the Firestone "Deep Tread" is only $46.80 plus tax, size 9-24. Other sizes are proportionately low.

Compare before you buy. Get the low price for your tire size at your nearby Firestone Dealer or Store.

ALWAYS BUY TIRES BUILT BY FIRESTONE, ORIGINATOR OF THE FIRST PRACTICAL PNEUMATIC TRACTOR TIRE

Enjoy the Voice of Firestone on radio or television every Monday evening over ABC

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WALLACES' FARMER AND IOWA HOMESTEAD, March 5, 1955 (Vol. 80, No. 5). Published first and third Saturdays of each month by the James M. Pierce Corporation, Des Moines, Iowa. Subscription price, one year for one dollar. Entered as second-class matter October 19, 1929, at the post office in Des Moines, Iowa, under the act of March 3, 1879. Copyright, 1955, by the James M. Pierce Corporation.

Never before.. such a cultivating team!

NEW McCORMICK®

FARMALL® 300 or 400 tractor

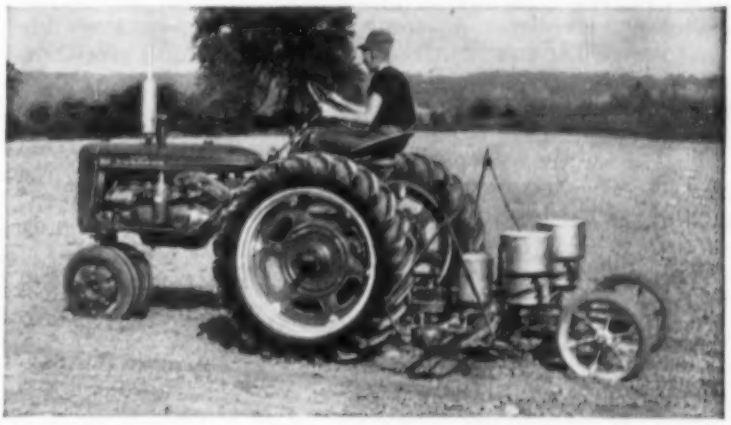
and new 4-row "drive-in" cultivator make cultivating faster, easier—more thorough—than you ever thought possible!

- **10 TRACTOR SPEEDS** . . . from a crawl to 16 mph
- **TORQUE AMPLIFIER** . . . slow for turns without shifting
- **HYDRA-TOUCH** for individual two-way powered hydraulic gang control
- **DISC BRAKES** for fast, easy pinpoint turns
- **VISIONEERED** for a full view of the rows
- **"DRIVE-IN" CULTIVATOR** . . . mounts in 7 minutes or less
- **CONVERTIBLE** in minutes for use as a 2 or 4-row
- **WANDER-FREE SWEEPS** for inch-close work

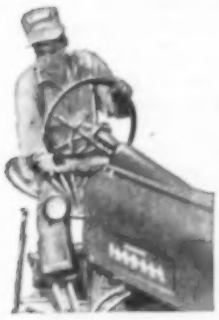
Now, big-acreage cultivation . . . easier than ever before! To hook-up just drive into the McCormick cultivator. Spot it on your Farmall hydraulically, without lifting; tighten, and go cultivatin' in *7 minutes or less!*

Make work fly with 10 speeds forward and other big Farmall advantages—*yours only in a new Farmall 300 or 400!* Scoot to the field as fast as 16 mph! Slow to a crawl to cultivate inch-high crops . . . lay-by corn at 6½ mph . . . or work at a half-dozen in-between speeds. Change travel speed instantly *on-the-go* with new Torque Amplifier, to make safe, easy, non-stop turns. Gain added rounds, cultivate cleaner too, with new Hydra-Touch. See how this "live", 2-way hydraulic power precisely controls left, right, or rear gangs *individually* or all together! Feel the way sure-holding self-powered double-disc brakes take the fight out of pivot turns. Add to these big, exclusive features seconds-quick Fast-Hitch, and count the increased earning you'll make with a Farmall!

Inch-close cultivation is easy because of the visioneered design of this 3-plow Farmall 300 and its four-row McCormick cultivator. Wander-free sweeps dig big weeds that others detour . . . *instantly* respond to quick-dodge steering. Fastest cultivator adjustment yet, for any crop or condition.



Back . . . click! . . . and go with new 2-plow Farmall 200 and Fast-Hitch planter! Transport it in high . . . control it hydraulically . . . switch to other jobs seconds-quick. Use this 2-row, or a 4-row Fast-Hitch planter, with Farmall 300 and 400 tractors. Trailing 2 and 4-row planters also available.



Call your IH dealer for the cultivating thrill of your life!

Now, there's an easier way to cultivate! Hydra-Touch, Torque Amplifier, and other new, exclusive profit making Farmall features let you cultivate cleaner with less hand and foot work than ever before! Call your IH dealer for a FREE field trial. Learn how a new Farmall can *pay for itself* in use under the liberal IH Income Purchase plan of buying profit making machinery.

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I farm _____ acres. Principal crops _____
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Hogs and Cattle

BY WALTER J. LEEDS

Have you tested pig starters?

GOT an interesting letter the other day from Paul Pillard of Coggon. He's one of the 1954 Iowa "Master Swine Producers." In the letter he says he marketed 136 spring pigs from 12 sows last year. That's an average of 11.3 pigs per sow.

Most interesting part of Paul's letter was way down toward the end—about how he tested four different pig starters to see which one his pigs liked best.

You know, that's what a lot of Iowa hog raisers are doing these days . . . testing pig starters to find the one that works best for them.

Now that makes real good sense—testing feeds right on your own place. Because there are a lot of different ways to feed pigs—especially baby pigs. But when you try them out you find some are a lot more practical—and a lot more effective—than others.

Well, to get back to the story . . . after testing all four pig starters, Master Swine Producer Pillard settled on one.

This particular starting feed is the one that's been sweeping the Corn Belt like wildfire the last year or so. I understand that over 3 million baby pigs have been started on this creep feed already. And the way good news travels, it looks like a whole lot more will go on this plan in the next few weeks.

This special baby pig feed—Nutrena "Creep-20"—tastes so good many hog raisers say their baby pigs start eating it the very first week.

Where does it get this tremendous taste appeal? . . . From rolled oats more than anything else. We've always known that baby pigs love that rolled oats flavor, and Creep-20 contains 50% rolled oats.

Of course, when you try out a feed, taste appeal is just one of the things you look for. The whole point of high taste appeal is to cram nourishment into baby pigs early, when it does the most good.

And that's just what Creep-20 does. Fact is, Nutrena Creep-20 is so nourishing, many hog raisers who feed it say they are averaging 50 to 60 pound pigs at eight weeks!

Now, much of this nutrition would be wasted if your pigs got scours. So Nutrena scientists fortified Creep-20 with high-level antibiotics. That's five times more antibiotics than are needed to stimulate growth. And it takes these high levels of antibiotics to help prevent scours and several other baby pig diseases that slow down growth.

So, it's no wonder champion hog producer Paul Pillard starts his baby pigs on Creep-20. Here, in a pelleted, easy-to-feed ration, are the three things hog raisers are looking for in their pig starter—taste appeal, growth power and help in scours prevention.

And best of all, as I see it, Nutrena folks have made it real easy for you to test Creep-20. Just get a trial bag from your Nutrena dealer. Put it in front of your spring pigs. If they don't eat it more eagerly than any other pig starter, your money will be refunded on your first trial bag.

So make it a point to get a trial bag of Creep-20 from your Nutrena dealer, and run your own on-the-farm test. Like thousands of other hog raisers in Iowa, you'll be glad you did. (Advertisement)

What's this? **Believe it or not, here's a horse hooked up to a sleigh. And not liking it much either. Carl Poole of Decatur county, Iowa, holds lines.**

INSIDE STUFF

HOW MANY men on farms today can harness a team? And how many have a team to harness?

ON IOWA farms now, there is an average of less than one horse per farm. And there are almost as many ponies and riding horses as there are work horses.

TURN TO page 34 and read the extracts from the 1890 diary of Frank Clampitt of Hardin county, Iowa. Mr. Clampitt was one of the first farmers I visited when I started to work for this paper over 30 years ago.

DO YOU go to state parks in the summer? Most of us do. Attendance at these parks has doubled in the last few years. But the improvements are still mostly those put up by the CCC boys in the thirties.

SAME THING is true of national parks. We are trying to operate parks on about the same budget as when the number of visitors was half as great. More money is needed.

THE POOR taxpayer groans: "More money. That's all I hear." But legislatures are groaning too. State governments have been living on their surplus, and now the surplus is gone. And there are more roads to build and more children to educate.

AT FARM INSTITUTE, Mrs. Raymond Sayre said: "Somebody always tries to brush me off when I start talking about doing something for low-income farmers."

TRUE ENOUGH. The low-income farmer—and there are from one to two million of him—isn't helped much by price supports. He is helped by the FHA, but the FHA has little money.

I ASKED a group of business men the other day how much of a corn reserve they thought farmers should carry over from one crop year to the next. Some folks, you know, think we have too much corn.

THESE BUSINESS men voted as follows: No votes for one month's supply as an adequate carry-over; one vote for three-months supply; five votes for six months supply; 50 votes for one year's supply.

THEY VOTED sensibly, I think. Now note that the carryover of corn next fall will probably be about three month's supply.

YET YOU'LL hear speeches and read articles in the press about the wasteful surplus of corn the government is holding. Most city people are surprised to hear how small the corn reserve actually is.

R. K. BLISS of Iowa State College said recently: "One of the problems now at the college is to find space to park students' cars."

HE ADDS: "Just why sensible parents furnish cars for their boys and girls to take with them to college is a puzzle to me." And to me.

DONALD R. MURPHY

WALLACES' FARMER AND IOWA HOMESTEAD
"GOOD FARMING, CLEAR THINKING, RIGHT LIVING"
(Volume 80—Number 5)
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Entered as second-class matter, October 19, 1929, at the post office at Des Moines, Iowa, under the act of March 3, 1879.

Read this first—LMB

BABY CHICKS have no mother to nourish and protect them. Baby pigs get colostrum-milk from the sow. Calves get it from the cow. But what about chicks? They get a "colostrum-yolk" from the egg. The trouble is, Nature doesn't give all chicks the same amount—and it can vary in quality. These "short-yolk" chicks need more help than the others. And they need it quickly.

Will you...

Save your short-yolk chicks?

Here's help to keep chicks alive, vigorous, healthy, when they suffer from colostrum-yolk shortages

Not even the experts can look at a flock of day-old chicks and tell you which birds are short-yolks—short on quantity or quality of "colostrum-yolk."

That's the yolk Nature gives the embryo chick for nourishment while it develops in the egg. It also "feeds" the chick the first few days out of the shell.

We like to call this the "colostrum-yolk" because it does so many of the same things for baby chicks that colostrum-milk does for baby calves and pigs.

But even the very best chicks may be hatched with only enough colostrum-yolk to last a few days. Others may have vitamin deficient yolks.

We call these "short-yolks." You need to make up for these shortages—quickly. The first 72 hours in your brooderhouse is an emergency period.

Whether the tiny bird dies, just "gets along," or lives to become a vigorous, profitable layer may depend upon: (1) the help you give it in the first 72 hours in your brooderhouse; (2) the protection you provide against increasing dangers throughout the brooderhouse period.

That's one big reason why Nutrena Mills spent so much time and money to create their high-powered chick starter. Out of several years of research came the Life-Saving Livium that you now get in Nutrena Chick Starter.

Livium quickly satisfies the urgent needs of tiny baby chicks in this critical period with certain important vitamins and minerals. Actually provides more of these vital ingredients than is considered the normal daily requirement by the National Research Council.

Life-Saving Livium gives your short-yolks, in fact all of your chicks, a real nutritional boost in this critical period. And it doesn't stop there.

New dangers must be overcome in the first few weeks of brooderhouse life. Diseases of all kinds are frequently on hand to kill or stunt many, many birds.

But Life-Saving Livium helps protect your birds with a germ-fighting antibiotic, plus a special new ingredient to help prevent disastrous attacks of coccidiosis—still one of the most costly killers and stunters of poultry.

So here, in one highly palatable feed, you get top chick nutrition, plus a coccidiosis-fighting wonder drug, plus guaranteed effective amounts of antibiotic and vitamin B-12.

Why take chances with either short-yolk or regular chicks when you get this double-duty help from Nutrena Chick Starter with Livium? It's one of the big reasons Nutrena has become famous as the "good luck feed."

Of course, most folks know—it isn't luck, it's Livium that gets results. Why not try it this Spring?

You can get a trial bag of Nutrena Chick Starter at no risk. Nutrena must be the best chick starter you ever used or you get your money back on your very first bag. Get the new Nutrena Chick Starter today to help protect your baby chicks.

Look for the name Livium on every bag of Nutrena Chick Starter and be sure of getting all this help to start chicks out fast and healthy. (Advertisement)

"I wouldn't be seen in the same field with rootworms!"

That's for sure . . .

because where soil insects thrive you'll seldom see quality corn. Rootworm and other soil insects destroy many corn crops every year . . . but it doesn't have to happen to *you*.

A *single* spray application of aldrin, disked into the soil, gets rootworms and other pests for the entire season . . . and it doesn't cost a lot either! Matter of fact, it's a pretty profitable investment.

Get greater yields and better prices . . . ask your insecticide dealer for aldrin.

Spray your soil with

aldrin

SHELL CHEMICAL CORPORATION

AGRICULTURAL CHEMICALS DIVISION
1221 Locust St., St. Louis, Mo.

Research Points

BOOST red clover seed yields with bees. University of Minnesota tests showed clover seed yields of up to 500 pounds per acre when colonies of honey bees were placed near the fields.

PEOPLE used more dairy products last year. United States Department of Agriculture figures show that fluid milk consumption increased two pounds per person. That makes an average of 352 pounds per person.

BUTTER CONSUMPTION increased from 8.6 to 9.0 pounds per person in 1954. Use of margarine increased from 7.9 to 8.3 pounds per person.

AVERAGE milk production per cow has increased nearly 1,500 pounds during the last 20 years. That's an increase of 37 percent. Average production per cow in 1954 was 5,512 pounds of milk.

HERE'S HOW the world food supply divides up on a calorie basis. Bread grains account for about 33 percent. Rice, for 25 percent. Fats and oils make up about 11 percent. Nine percent is fruits and vegetables. Milk makes up nine percent. Sugar, 8 percent. And meat, five percent.

VALUE of farm product exports from July last year thru January, 1955, is up about 10 percent. Largest increases were in cotton, cottonseed oil, soybeans, lard, oranges, barley, potatoes, and dry edible beans and peas. Exports of milk, beef, corn and rice declined.

QUALITY of cake mixes makes a difference to consumers. About half the people in an Iowa State College test could tell the difference between cake mixes and "home made" cakes. Of that half, 57 percent preferred the package mix cake when one brand was used. Only 39 percent preferred the package mix when another brand was used.

FARMERS own about four and a half million automobiles. That is a little more than 10 percent of the total number of automobiles on the nation's roads.

"This is about the only thing I have to do by hand anymore."

You'll Score Every Time

with

CORNLAND
GRANULATED FERTILIZERS

and

aldrin

Yes, you'll score everytime . . . in healthier plants, heavier yields—and higher profits! Cornland Granulated Fertilizers are formulated especially for Iowa crops and soils in all major ratios recommended by Iowa State College . . . and with the famous Aldrin Insecticide added at any rate you desire, you can destroy corn rootworms and other soil insects as you apply your Cornland Fertilizer. Insist on the finest fertilizer-insecticide mixture . . . insist on Cornland Granulated Fertilizers with Aldrin. Many companies now mix Aldrin with their fertilizers . . . but NO COMPANY has had as much experience in this process as Cornland Plant Foods . . .

That's Why Last Year Iowa Farmers Used MORE

CORNLAND
Granulated Fertilizers with

ALDRIN
Than Any Other Aldrin-Fertilizer Mix On The Market!

Every year the demand for Cornland Granulated Fertilizers far exceeds the supply. Don't be disappointed . . . place your order NOW! Cornland Granulated Fertilizers are GUARANTEED to remain free-flowing no matter how long you store them!

FREE! Our new, colorful pamphlet with actual photos on crop starvation and the steps you should take to correct these conditions. Mail coupon today for your FREE copy and the name of your nearest Cornland Dealer.

CORNLAND PLANT FOODS
GRINNELL, IOWA

Cornland Plant Foods, Dept. 5, Grinnell, Iowa
Rush me my FREE pamphlet on crop starvation and the name of my nearest Cornland Dealer.

Name.....
Post Office.....
RFD..... State.....

NOW... BERRY PAYS the FREIGHT ON OUR GENUINE

GRO®-COATED BRAND

Amazing FARM SEED Values

SPECIAL PRICES—BY MAIL OR AT BERRY STORES
These Freight-Prepaid Prices Good Only Thru March 19, 1955

ONLY BERRY GUARANTEES BETTER STANDS ACCEPT NO SUBSTITUTES

ALFALFA $27.90 bu.
ITEM A. Hardy common alfalfa, many formerly bought as Dakota 12. Finest quality new crop Colorado. 99.50% pure, 92% germination. Free noxious weeds. Gro-Coated for finest stands and production. 12-15 lbs. acre. $27.90 per bu.

ALFALFA $23.95 bu.
ITEM B. "Honest John," our biggest seller. All hardy common Alfalfa. Somewhat discolored, smaller berry. Gro-Coated for extra fine performance. Tests about 97-98% pure; 70-75% germination. Backed by our guarantee of better stands. Noxious free. 12-15 lbs. acre. $23.95 bu.

BUFFALO ALFALFA $32.15 bu.
ITEM D. Certified Blue Tag Wyoming Buffalo. Recommended especially for Southern half Iowa, but hardy further north. Tops in purity, 99.60%, and germination 91%. *Big price discount due to some brown seed in it. Gro-Coated. 12-15 lbs. acre. $32.15 bu.

RANGER ALFALFA $29.25 bu.
ITEM Y. Ranger Alfalfa. Fancy quality 98% pure, 85% germination. Fair average color now at a price nearly as low as our choice grade sold earlier. Noxious free. Gro-Coated. 12-15 lbs. acre. $29.25 bu.

VERNAL ALFALFA $32.00 bu.
ITEM V. Vernal Alfalfa. The newest extra hardy, wilt resistant. Now at a price where all can try it. Choice quality 97-98% pure, 75% or better germination. Gro-Coated. 12-15 lbs. acre. $32.00 bu.

RED CLOVER $36.90 bu.
ITEM E. Medium Red Clover. Northern grown, extra hardy. Our finest value, 98% pure, contains a little crop, 80% or better germination. Noxious free. Gro-Coated. 7-8 lbs. acre. $36.90 bu.

KENLAND RED $45.00 bu.
ITEM F. Blue Tag Certified Kenland Red Clover. Idaho grown. Newest, best variety of Medium. Tested by Iowa State Experiment Station very outstanding. Now at very little premium. Gro-Coated helps assure satisfactory stands. 6-7 lbs. acre. $45.00 bu.

MAMMOTH RED $33.90 bu.
ITEM Z. Mammoth Red Clover. Choice quality, northern grown adapted seed. Thoroughly recleaned. Tested. About 98% pure, germination 75%. For soil building purposes unexcelled. Noxious free. Gro-Coated. 7-8 lbs. acre. $33.90 bu.

Half Red & Sweet $19.20 bu.
ITEM H. Half Mammoth Red and half Sweet Clover. Low in cost. Heavy in production. Splendid for soil building, 98% crop purity, 75-80% germination. One of our big sellers. 7-8 lbs. acre. $19.20 bu.

ALSIKE CLOVER $22.90 bu.
ITEM I. Alsike Clover. High quality but contains some crop White Dutch and Timothy. 95% or better pure, 85% germination. Most economical to use. 5 lbs. sows one acre. Noxious free. Gro-Coated. $22.90 bu.

LADINO CLOVER 75c lb.
ITEM J. Ladino Clover. 99.50% pure, 91% germination. Finest quality Gro-Coated. Noxious free. Use ½-1 lb. in grass mixtures. Free circular on request. 75c per pound.

Birdsfoot Trefoil 75c lb.
ITEM K. Birdsfoot Trefoil. Wonderful crop for permanent pastures. A legume that doesn't cause bloat. High quality European seed, the kind that makes the most growth. Free circular. 4-6 lbs. acre. 75c per pound.

EARLY KOREAN $20.40 bu.
ITEM 75. Early Korean Strain 19604. Unhulled. Three weeks earlier and more vigorous than regular Korean. Sow 12-15 lbs. per acre. Hulled and Scarified 10-12 lb. Both Gro-Coated. Noxious free. Unhulled $20.40 bu. Hulled $22.00 bu.

Iowa 6 Lespedeza $21.50 bu.
ITEM 74. Iowa 6 Lespedeza. Some tests show this to be superior to 19604. We can see very little difference. Gro-Coated. Noxious free. Unhulled $21.50 bu.

TIMOTHY $13.35 bu.
ITEM M. Timothy. Fancy grade nice bright seed, 99% pure, 80-85 germination. With Gro-Coat protection, each seed has a better chance to make a plant. 1 peck per acre. $13.35 bu.

CHOICE SWEET $10.30 bu.
ITEM N. Choice Sweet Clover. Tall White type. 98% pure, 70-75% germination. $10.30 bu.

FANCY SWEET $13.65 bu.
ITEM O. Fancy 99% pure, 80-85% germination $13.65 bu. Both Gro-Coated. Noxious free. 12-15 lbs. acre.

YELLOW SWEET $12.90 bu.
ITEM P. Extra fancy Yellow Sweet Clover. The very best quality 99.50% pure, 90% germination. All our Sweet Clover seed is Scarified and all seeds are Gro-Coated. The best you can buy. 12-15 lbs. acre. $12.90 bu.

HUBAM $15.45 bu.
ITEM 88. Hubam. A great soil builder plowed under for green manure. Choice to fancy quality. 99% pure, 70% germination. Gro-Coated. Noxious free. 15 lbs. acre. $15.45 bu.

Marvelous Mixture $37.00 cwt.
ITEM Q. Marvelous Mixture. 65% Legumes Red Clover, Alsike, Sweet, Alfalfa, Ladino, balance Timothy and Tall Fescue. Our heaviest yielding combination. Big value. 8-10 lbs. acre. $37.00, 100 lbs.

5-Way Mixture $39.75 cwt.
ITEM R. 5-Way Mixture. 50% Legumes, Red Clover, Alfalfa, Alsike and Ladino, 50% Timothy. No Sweet Clover in this one. Very popular value. Good quality. You'll like it. 8-10 lbs. acre. $39.75, 100 lbs.

BROME GRASS $25.50 cwt.
ITEM S. Lincoln type. 88% pure, 85% germ. Gro-Coated. $25.50 per 100 pounds. **Canadian Brome Grass**, best quality Gro-Coated. $23.50 per 100. Where Brome is better part of seeding the Lincoln is recommended. 16-20 lbs. acre.

Berry's are the originators of Gro-Coated brand seed. **Every seed in this ad** is coated with a private formula of fungicides plus a chemical designed to stimulate root growth. Farm tested for 6 years. There are now many seed "treatments" but there is nothing like Gro-Coat. We couldn't afford to guarantee better stands if it wasn't superior in the fields. Our customers report better stands from less seed, quicker growth, longer roots, healthier plants, greater drought resistance. 20% to 150% better stands common. Many get more. See reference below. With seed prices high it pays to buy guaranteed seed. Get our catalog or visit our Boone or Clarinda stores for full information and many more seed values. Also garden seeds and nursery stock.

QUICK SERVICE

We can get shipments out quickly. If you are in a great rush and have an order for $100.00 or more, you can telephone to Clarinda collect, Liberty 2-2101. However, it is better to write if at all possible. **Address all mail to Berry's Seed Co., Box 3804, Clarinda, Iowa.**

Triple Guarantee!

1. We guarantee that your order will arrive in good condition.
2. We guarantee that you will be satisfied with the quality. All seed tested and labeled according to noxious weed laws of your state. Return shipment for full refund if not pleased.
3. We guarantee that our Gro-Coated brand seed will produce better stands in your field than any other seed (including "treated" seed) sown and grown under the same conditions. If it does not we will refund any extra cost you may have in our seed. Claims to be made within 60 days after seeding.

AN IOWA FARMER GETS 700% BETTER STANDS!

Herbert Wilson, of Redfield, Iowa, sowed high grade home grown seed side by side with Berry Gro-Coated Red Clover. In second year he had 14 clover plants per sq. ft. on the Gro-Coated seed vs. only 2 for home grown. The dark growth is the Gro-Coated, of course. See complete letter and larger photo in our free catalog.

IN QUANTITIES LESS THAN AMOUNTS QUOTED ABOVE, ADD ¼c LB.

INNOCULATE Order Berry's Dry Module Germ Innoculation for all legume seeds. Prices—All Clovers and Alfalfas, 1 bu. size 55c, 2½ bu. $1.10. Lespedeza, 55c per 100 lbs. size.

ORDER BY MAIL FROM THIS AD *or* VISIT BERRY STORE

HOW TO SEND YOUR ORDER BY MAIL. Use any sheet of paper. List the items you want as described above and state how many bushels or pounds of each you want. Figure the price and figure the total amount of your order. Send check or money order to cover. If you wish you can send 10% down, balance C.O.D. You can order above seeds in any quantity other than amount quoted.

For full freight paid price, order must be for 150 pounds or more. If less than that, it will be sent freight collect and you will be given an allowance of 1c per pound for freight. Freight paid prices are good only for Iowa and bordering states.

Be sure to write or print your name clearly. Give your post office and route. If you want the seed shipped to some other town than your post office, please state that. If shipment is to go by truck you should have it come to some town that has a truck depot. Otherwise, have shipment come to some oil station or other merchant where trucks stop regularly and arrange with them to accept shipment for you.

Address all mail to—

BERRY SEED CO., BOX 3804, CLARINDA, IOWA

FREE!
CIRCULAR & SPRING CATALOG

OUR STORE PRICES NOW SAME AS FREIGHT PREPAID MAIL-ORDER PRICES

Customers preferring to drive into one of our famous Berry Retail Stores, and arrange to pick up their seed there are invited to do so. Whether by mail or at the store, you get same fine values and qualities of Berry's Genuine GRO-COATED Brand Seeds. You can't miss!

IOWA STORES

BOONE—East Hwy. 30

CLARINDA—East Garfield

(No mail orders can be handled at the Stores. Send them to main plant, Box 3804, Clarinda, Iowa.)

I WAS JUST FIGURING...

by Cy Watkins

Little pigs that are a few seconds late for lunch miss the meal. Did you know that?

You may think that for all the time a pig spends suckling he must be getting a whale of a meal. Actually, the milk only comes for about 20 seconds during that whole session . . . and if he isn't there when the dinner bell rings, latched on and hard at work, well, it's just too bad because he's missed his supper.

And for a baby pig that's serious! Usually he can't make it up at the next meal because there isn't much milk let down and his tummy won't hold much. If he misses several meals in a short time he's a gonner.

Here's how it works; you've watched 'em a thousand times. The clock in the old sow tells her it's time for chow. She rousts up the brood, lays down and then everybody starts pushing. They butt the udder for a spell and poor little Roscoe gets squeezed out. Then everybody relaxes for maybe half a minute and Roscoe's trying to get latched on. Then everybody starts suckling fast and for about 16 to 20 seconds milk comes down . . . if they're lucky everybody gets a tummyfull, which amounts to 30 to 40 grams . . . a couple of squirts. Then everybody butts the udder again but its no go . . . and if Roscoe missed that 20 seconds of milk flow he's a hungry little pig.

★ ★ ★ ★

The important thing here is to remember that during those first weeks when a pig's stomach can't hold very much, his food has to be concentrated . . . have little bulk and plenty of nutrients. It calls for a high level of fortification. None of 'em get very much and poor little Roscoe didn't get any! That's where creep feeds come in.

Now, whether or not you use a milk replacer depends on how fast you want to breed the sow again . . . sometimes its a good idea. But to creep feed I say a hearty "yea verily" . . . no litter should be without it, no matter who.

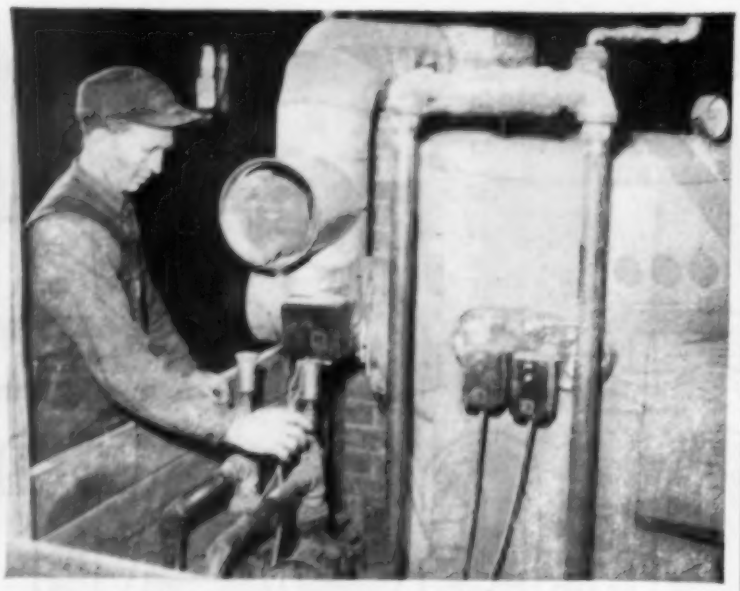
The best starter and creep feed I know of was developed on the Watkins Experimental Farms and your Watkins Dealer has the whole story on it.

For the first few days you mix and feed our SPECIAL PIG STARTER which uses Watkins Min-Vite for Swine with extra fortification from Watkins T-V Special (a Terramycin-Vitamin concentrate).

After a few days you shift over to a regular CREEP FEED based on Watkins Min-Vite for Swine.

Your Watkins Man has the whole story, what ingredients to use and how to feed it. Since it means bigger litters of thriftier pigs at weaning, I hope you'll ask him all about it.

The J. R. Watkins Co., Winona, Minn.



Heart of farrowing house heating system used by Walter Vining of Mitchell county, Iowa, is this water-heating unit. Hot water is forced thru pipes. And the 24 by 120 foot building is heated by radiation.

One way to keep pigs warm

Hot water, radiant heat does the job for Mitchell county, Iowa, hog raiser

Thermostat controls flow of hot water. Cold water can be forced thru pipes to cool sows that farrow in hot weather.

Baby pigs don't chill or pile up on heated floor in Vining's farrowing house. Chopped straw is used for bedding. Building is fully insulated. Pigs are weaned at the age of two weeks.

Ask any of these

FERGUSON DEALERS

to show you the Great New

FERGUSON 35

with 4-WAY WORK CONTROL

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Albia, D & D Equipment
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Big Rock, W. A. Petersen
Blakesburg, Baldwin Feed & Implement
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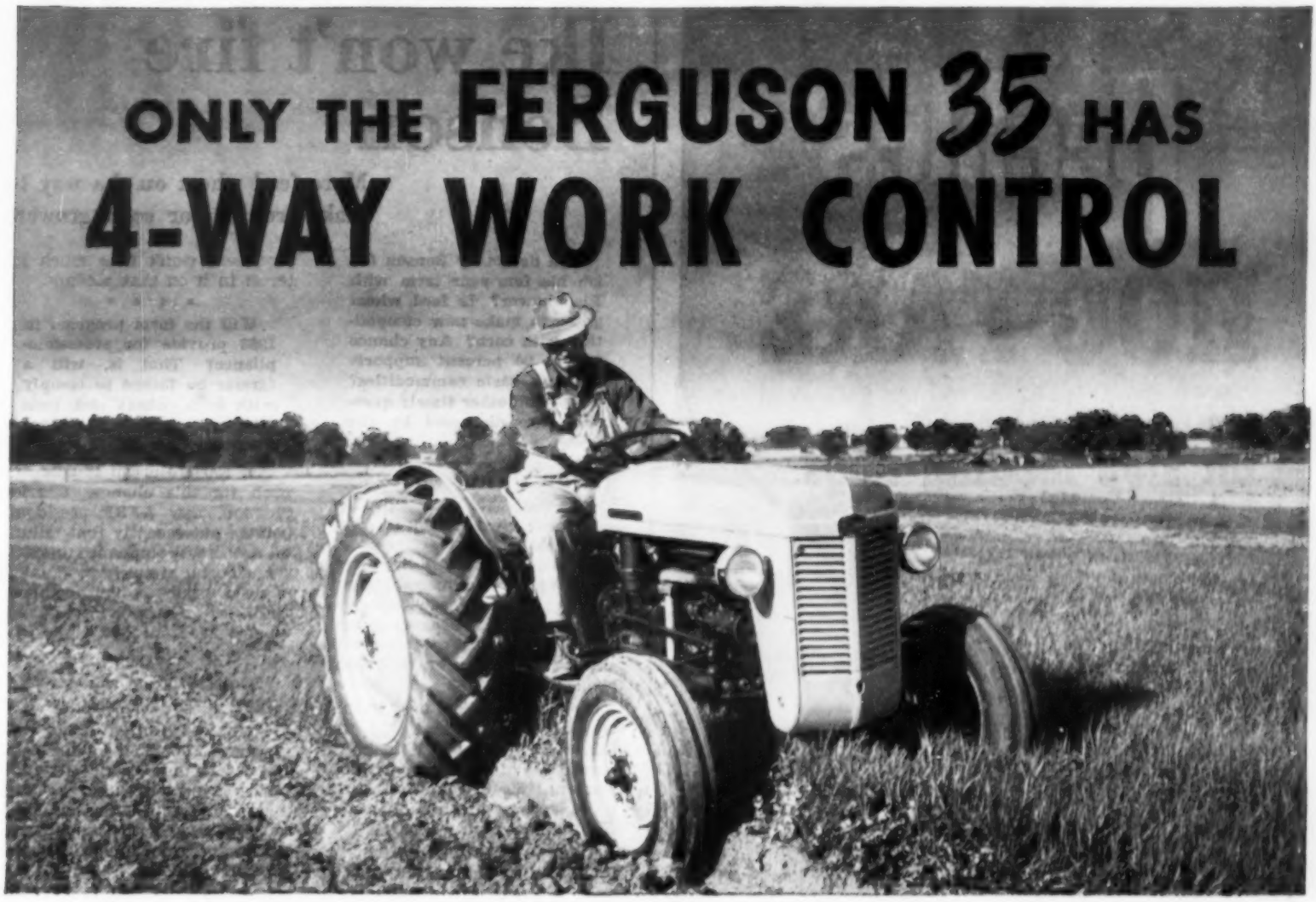
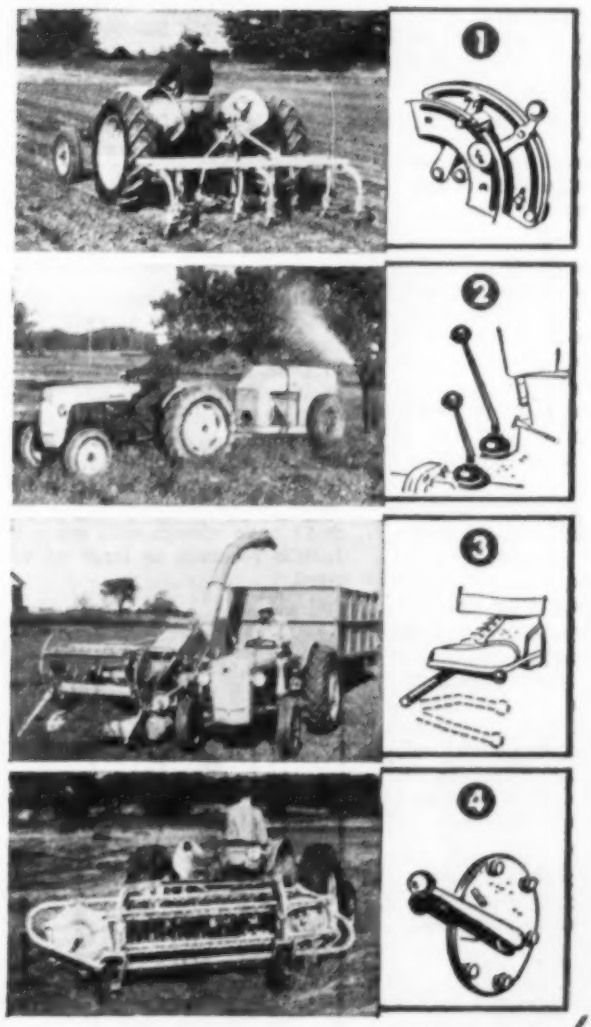
Brooklyn, Manatt Brothers Implement
Burlington, Sunnyside Equipment Co.
Cascade, Dunkel Implement Co.
Cedar Rapids, King Cool & Implement
Centerville, White & King Implement
Central City, Knowlton's D-X Station
Chariton, Farmers Feed & Supply
Cherokee, Northside Implement Co.
Clarinda, Henneman Tractor Service
Clarion, Sann Implement Co.
Clear Lake, Esslinger & Mullan
Clinton, Richardson Tractor & Implement
Creston, Herring & Levi
Cumming, Honrahan Hdwe. & Implement
Davenport, Ritzie Implement
Delta, Delta Grain & Implement Co.
Des Moines, Ewing Implement Co.
De Witt, John W. Stahl Implement Co.
Dubuque, Gill's Implement & Service
Durant, Dickey Implement Co.
Dyersville, Brunkan Implement & Appliance
Earlville, Scavel Bros.
Essex, Ivan Falk Tractor Co.
Estherville, Miner K-F Motors
Fairfield, Shafer Implement Co.
Forest City, Beck Tractor Co.
Fort Dodge, Carlson & Mabe
Fort Madison, Holmes Auto Service
Garner, Hancock Farm Equipment
Glenwood, Buffington Motors
Granger, Finestead Implement
Greenfield, Winters Implement Company
Grinnell, Pearce Implement Store
Halbur, Haberhaus Implement Co.
Hampton, Hobbs Implement Co.
Harlan, Vandenberg Motors
Hawarden, Northwest Iowa Seed Co.
Hull, Van's Implement Co.
Independence, Kaesser & Son
Iowa City, Mann Imp. & Appliance
Kalona, Kalona Motor & Implement
Keokuk, Tri-State Farm Store
Keystone, Davis Implement Co.
La Porte City, Dvorak Machine Co.
Lineville, Shields Sales & Service
Lohrville, Hickok Sales & Service
Lone Tree, Harbison & Gray
Lynnville, Van's Machine Shop
Mapleton, Oliver Slota's Sales & Service
Maquoketa, Fischer's Repair Shop
Mechanicsville, Hugh Lamont
Melbourne, Lollar Implement Store
Melcher, Bingham Feed & Implement
Miles, Huebner Bros.
Milford, Okoboji Hybrid Corn Co.
Monona, Dickman Implement Co.
Mount Union, Lauer Implement Co.
Nevada, Book Implement Co.
Newhall, Davis Implement Co.
New Hampton, Hennings Implement & Service
New Virginia, Conard Implement Co.
Northwood, Farm Service & Supply
Oran, L. J. Suhr Garage
Osage, Stang Implement
Osceola, Steele Implement Co.
Oskaloosa, VanZetten Implement
Ottumwa, Ray's Garage & Implement
Pella, Witzenburg Garage
Persia, C & M Implement Co.
Petersen, Ted's Shop
Prairie City, Van's Equipment & Service
Protivin, Clet's Farm Equipment
Red Oak, Bloom & Lindgren Implement
Ridgeway, Ago Motor Service
Roland, Sather Service
Sac City, Crabb Implement Co.
St. Ansgar, Adams Implement & Service
Saratoga, Lubbert's Feed & Implement
Sheldon, Snyder-Maylor Co.
Sioux Center, Lebanon Farm Shop
Sioux City, Gene Reilly Farm Store
Storm Lake, Cole Motors
Story City, Farm Implement Supply
Stuart, Stuart Motor & Implement
Tipton, Brandes Farm Equipment Co.
Traer, Pemberton Implement Co.
Truro, Reed Produce & Feed
Vinton, Alcorn-Farmer Farm Supply
Walnut, Olsen Motors
Washington, Fenn Implement Co.
Waterloo, Waterloo Motor & Implement
Waterville, Kelly Implement Co.
Waukon, Howe Implement Co.
Waverly, West Side Sales & Service
West Amana, Amana Society
West Bend, Schafer Chevrolet & Implement
West Chester, Miller Garage
West Point, West Point Implement Store
Winterset, Morrissey Implement
Woodward, Randall Bros.



make this test with your own tractor...



then compare!

Here for the first time in *any* tractor is a combination of revolutionary engineering advances that will enable you to farm *more*, work *less*, realize greater profit from your work. But don't take our word for it. Look for *all four* of these work-control features on your present tractor. We believe you'll agree . . . only the Ferguson "35" gives you so much.

1. QUADRAMATIC CONTROL—With just two controls, both on the same convenient quadrant, the Ferguson "35" lets you raise and lower implements, select draft and maintain uniform working depth, adjust the hydraulic system's speed of response, hold implements rigidly at desired position.

Your tractor: Yes ☐ No ☐

2. DUAL-RANGE TRANSMISSION—The Ferguson "35" gives you 6 forward, 2 reverse speeds, built right into the tractor, to allow you to fit the speed exactly to the work, whether you're transplanting, spraying or doing close cultivation in the 35's "creeper" gear. Or plowing or discing in high-range first. Or driving along the highway at rapid transport speeds up to 14 mph.

Your tractor: Yes ☐ No ☐

3. "2-STAGE" CLUTCHING—Means single-pedal control of both transmission and PTO for operating such machines as the baler or forage harvester continuously. Halfway down on the pedal (you don't have to guess, you can feel it) disengages the transmission *only*. All the way down stops both transmission and PTO.

Your tractor: Yes ☐ No ☐

4. VARIABLE-DRIVE PTO—The "35" offers much more than ordinary "live power take-off." With the PTO shift you select either the drive that's in ratio to the ground speed of the tractor, for such jobs as raking, planting or fertilizing—or, the drive that's in ratio to engine speed for harvesting, foraging, baling or other machine work demanding continuous PTO operation.

Your tractor: Yes ☐ No ☐

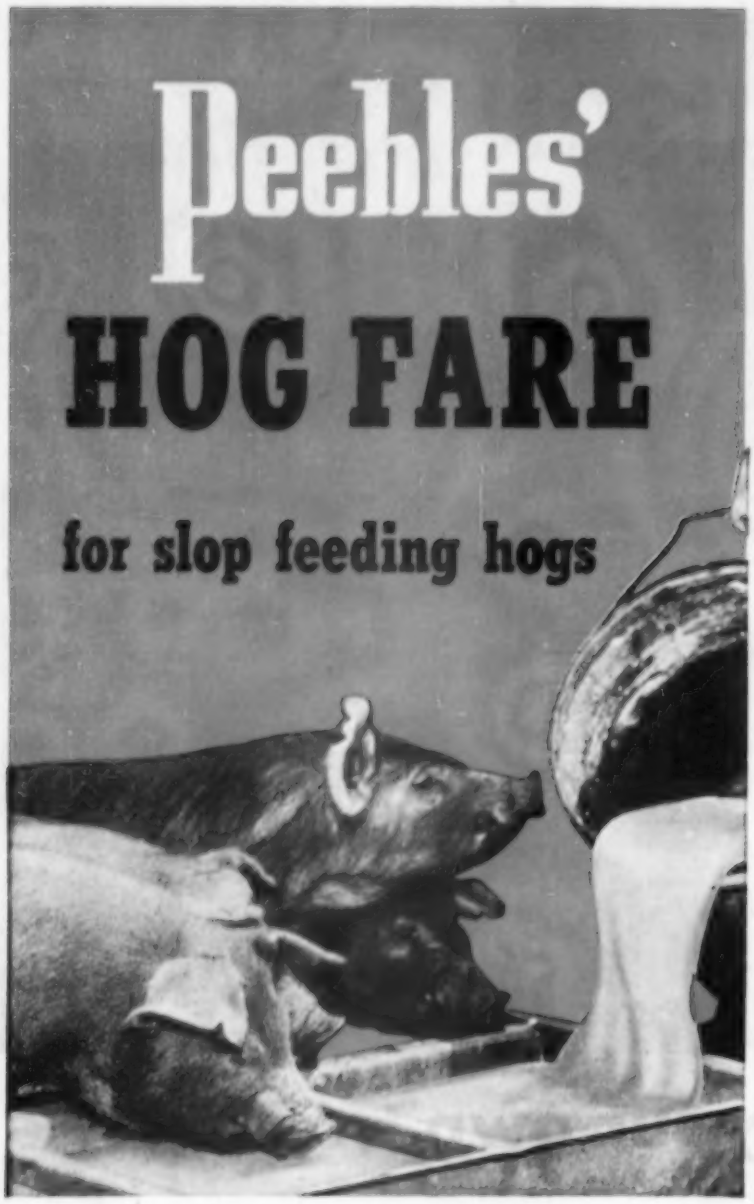
Call your local Ferguson dealer. Arrange now for a demonstration.

Ferguson, Racine, Wisconsin

WIN
A NEW FERGUSON "35"
FREE
REGISTER WITH YOUR FERGUSON DEALER

Subject to Federal, State and Local Regulations

***go years ahead / GO* FERGUSON**



More "milk-fed" benefits for healthier hogs

A healthy, well-fed hog is a fast gainer and a profit maker. Feeding trials show that the whey nutrients of Peebles' Hog Fare condition as they feed for faster gains and healthier hogs.

EXTRA GROWTH FROM WHEY — Every barrel of Hog Fare is packed with the growth-promoting nutrients of over 3,000 pounds of fresh, liquid whey. Most of the grow power in Hog Fare comes from the Whey Factor. Together with other whey nutrients, it can speed gains by up to 32% . . . can boost feed efficiency by 17%.

A DAILY CONDITIONER — Farmers who feed whey note that hogs do better — stay healthier, gain more vigorously, have fewer feeding troubles.

In addition to all these benefits, Hog Fare stimulates appetites, helps reduce feeding troubles and provides all the health-giving benefits of milk vitamins.

Peebles' Hog Fare is easy to feed — simple to mix as a slop feed or drink. Order Hog Fare by the barrel or drum from your local feed dealer.

Write Appleton, Wis., for free folder B-3 "Extra Grow Power for Slop Feeding Hogs."

WESTERN CONDENSING COMPANY
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World's Largest Producer of Whey Products

Behind The News

Ike won't fire Benson

More feed wheat on the way to make trouble for corn growers

Will Secretary Benson finish his four-year term with Eisenhower? Is feed wheat going to make new competition with corn? Any chance to get 90 percent supports back on basic commodities? These and other timely questions are discussed by the editor.

MORE WHEAT will be used as feed this year and a lot more next year. That's the way things look now.

A new bill, backed by Secretary Benson and many eastern farmers, allows wheat producers to grow extra wheat over and above allotments, provided this extra wheat is fed on their own farms.

Much of the wheat used in this way is winter wheat. So the bill, if passed, won't make a great deal of difference in 1955. But in 1956, it could result in a big increase in production and feeding of wheat.

The two-price plan for wheat, if adopted, would probably throw more wheat into the feed market. So may the Food and Drug clean-up program on wheat for milling. So may the proposed change in support levels which would lower sharply loans on low-grade wheat.

More wheat than usual will be fed next winter, but the big increase in wheat for feed is likely to come in 1956.

* * * *

Is President Eisenhower going to hold on to Secretary Benson or to fire him?

Hold on to him. Benson has said that he only signed up for two years, and recently went to the president to ask if he should quit. According to Benson, the president asked him to stay on.

Two reasons were given. Ike had no one else in mind, and he wanted Benson to give the administration's farm program a good start.

Benson is reported to have added that even if Eisenhower is re-elected and wants him to stay on as secretary, he would not continue beyond four years.

Benson's unpopularity in the farm belt worries Republican congressmen, but apparently hasn't shaken the president's confidence. In our next issue, the Wallace-Homestead Poll will report on how Iowa farmers now regard both President Eisenhower and Secretary Benson.

* * * *

Is there any chance for the bill restoring 90 percent supports for corn, wheat and cotton?

Not much. Democrats are pushing it to make a record, but even if it passes congress, Eisenhower will veto the bill.

The bill does nothing for livestock. Dairy farmers and hog producers won't take much interest in it on that account.

* * * *

Will the farm program in 1956 provide for cross-compliance? That is, will a farmer be forced to comply with both wheat and corn allotments in order to get a loan on either crop?

The Farm Bureau is going to push for this change. Charles Shuman, new AFBF president, pointed out recently that failure to use cross-compliance in 1955 would result in heavy production of feed grains which compete with corn. He wants cross-compliance back in 1956.

* * * *

How is the special school lunch program going?

Very well indeed. This program was initiated by the committee on agriculture of the house of representatives last year. Hope of Kansas and Hoeven of Iowa, both Republicans, led in the campaign to get the program adopted.

The house committee this year may again take independent action to push effective farm legislation. Some help is possible from the senate committee, where Thye of Minnesota is asking for rental of marginal wheat land and for doubling of the appropriation for school milk.

* * * *

What are guesses on the 1955 corn crop? And what about corn storage?

Present prospects make folks guess that, with average weather, we might have a crop of 3.1 billion bushels.

Altho the corn carry-over next fall will feed the nation's livestock for only about three months, the carry-over plus a good 1955 crop would still strain existing storage capacity.

If the crop went to 3.3 billion bushels, there would be trouble in finding enough crib room for all of it next November. We still don't have enough crib space to handle reserves as large as we need.

"Oh nothing much, Helen. Just getting ready to wake John."

AGRICO *Plow-Down Pays!*

Up to 38.4 Bu. MORE CORN per Acre on these Mid-west Farms

HIGH-YIELDING corn is profitable corn—but it takes plenty of the right kind of plant food to keep the yield up where it should be, and at the same time maintain and build up the productivity of the soil. That is why it pays, and pays well, to plow-down Agrico Fertilizer ahead of the crop, in addition to using AGRICO FOR CORN when planting. Try it this year, on the advice of Merle Wise, of Dakota, Ill., who writes:

"Last Spring we had Agrico 10-10-10, 500 lbs. per acre, bulk-spread on part of a field with very thin soil to be planted in second-year corn. We plowed this under and then put 100 lbs. of 4-12-8 fertilizer per acre at planting time on the entire field.

"In the Fall, we checked the yields and found an almost unbelievable increase of 38.4 bu. MORE corn per acre where Agrico had been plowed under. The ears from the plow-down area averaged ¾ lbs. in weight, while ears from the rest of the field averaged only ½ lbs.

"The EXTRA yield paid for the plow-down fertilizer plus a clear NET PROFIT of $39.73 per acre. This plainly shows that Agrico—and enough of it—is a real money-maker on corn."

MERLE WISE, of Dakota, Ill., shows difference in yield of corn harvested from equal areas in the same field—left, where Agrico was plowed down; right, no plow down—a difference which meant 38.4 bu. MORE corn per acre in favor of plow-down. Try it on your crop this year—plow-down Agrico, then use Agrico when planting—it pays!

"$17.60 EXTRA NET PROFIT per Acre"

Many other Midwest farmers report similar extra-profit returns. Says Bill Angle, of Dakota, Ill.:

BILL ANGLE, of Dakota, Ill.

"I am a firm believer in heavy applications of fertilizer not only for the needs of the current crop but for a sound soil building program so necessary today. Last Spring, I decided to find out just how my fertilizer program was paying.

"I plowed down 400 lbs. Agrico 10-10-10 on part of one field, omitting the plow-down on the rest. Then I put 200 lbs. AGRICO FOR CORN 4-12-8 per acre in the row throughout the field, and at second cultivation side-dressed the entire field with 200 lbs. ammonia nitrate per acre.

"Despite the fact that this field was rundown, the plot with the Agrico plowed down yielded 136.2 bu. per acre, compared to 114.8 bu. per acre on the other plot—a 21.4 bu. increase which paid for the extra fertilizer and left me a NET PROFIT of $17.60 per acre besides."

Quality Improved, too

Using plenty of Agrico improves the quality as well as the yield, as Charles Gram, of Freeport, Ill., says:

CHARLES GRAM, of Freeport, Ill.

"Plowing down Agrico increased my 1954 corn yield by 19 bu. per acre, covering the cost of the extra Agrico and showing me $14. EXTRA net profit per acre besides. In addition, I got better quality corn where I plowed down Agrico."

LAWRENCE KLOSTERMANN of Petersburg, Iowa

This is confirmed by Lawrence Klostermann, of Petersburg, Iowa, who writes:

"Last Spring I plowed down Agrico 10-10-10, 500 lbs. per acre, on two marked areas to see how it would pay. I got an increased yield of 15 bu. per acre, worth $23.40 extra per acre, and the ears were longer and filled out better where I plowed Agrico under. I recommend plowing down Agrico—it pays!"

AGRICO DOUBLES OAT YIELD!

Remember, there's an Agrico for each crop, great profit-builders, all. Frank Thomas, of Farley, Iowa, gives you this typical report on oats:

FRANK THOMAS and wife, of Farley, Iowa

"On half of my oat field, I applied 200 lbs. Agrico per acre. Results were almost unbelieveable. Agrico produced 68 bu. oats per acre, against 33 bu. from the unfertilized area. Agrico doubled my yield and I also got more straw plus a better stand of seeding, which is worth even more to me for the next two years.

"I can't see how I can afford to plant oats again without using Agrico."

It Pays to Use "ALL THREE"

AGRICO®
The Nation's Leading Fertilizer

18% NORMAL®
The Low-Cost, High-Value Superphosphate

AA QUALITY®
Ground Phosphate Rock

Order NOW from your nearby A.A.C. Dealer

Manufactured only by **The AMERICAN AGRICULTURAL CHEMICAL Co.**

BOX E, NATIONAL STOCK YARDS, ILL. • P.O. BOX 150, FULTON, ILL.

MoorMan's Announces

A New 1955 Model CoxiCurb Chick Mintrate

with

3 MAJOR IMPROVEMENTS

1 Greater growth stimulation—through the use of a supplement with a higher antibiotic activity.

2 Better coccidiosis control — through the use of a more effective coccidiostat.

3 Now supplies Vitamin K—to provide maximum protection against possible hemorrhagic conditions, sometimes caused by influences such as disease, exposure, debeaking, dubbing, or other stresses.

These improvements are the result of research on more than 85,000 chicks, and many field tests under typical farm conditions. For MoorMan Research is constantly on the move to produce improved products that, in turn, will make greater profits for MoorMan customers.

Last year, even before these improvements, thousands of flock owners reported amazing results with 1954 CoxiCurb* Mintrate* for Starting and Growing Chicks. Here is the story of 100 typical feeders:

- . . . **AT 8 WEEKS OF AGE the average cost per pound of gain was only 12.1358c.**
- . . . **TOTAL FEED PER POUND OF CHICKEN averaged 2.3075 lbs.**
- . . . **TOTAL "OUT-OF-POCKET" COST to produce a pound of chicken averaged only 7.587c.**

COXICURB CHICK MINTRATE WAS THE SENSATION OF 1954! HERE ARE 7 REASONS WHY *IMPROVED* MINTRATE CAN MAKE MONEY FOR YOU IN 1955

1 You spend fewer dollars from your own pocketbook. For, to make your Mintrate Starting Ration you simply combine 200 lbs. of your own corn with 100 lbs. of Mintrate. Thus you buy, off the farm, only 1/3 of your chick starter. The other 2/3 you have— and buy from yourself—cuts your feed bill substantially—cuts your out-of-pocket cost in half.

2 When you combine Mintrate and corn you are not just adding more feed to grain you already have. You are actually getting more feed value from that grain.

3 Your corn and MoorMan's Mintrate combine to make the highest energy, lowest fiber chick starter procurable anywhere—one of the big reasons for high feed-conversion efficiency.

4 Your ration is ALL CHICK-NOURISHING FEED—no valuable ingredients have been removed from your grain. Corn and Mintrate make a high-energy ration containing less than 3% fiber.

5 The high efficiency, the low cost gains, the fast growth of Chick Mintrate starter rations are consistent — have been proved by thousands of MoorMan customers on millions of chicks during the past 5 years.

6 And CoxiCurb Chick Mintrate produces thrifty flocks. It also contains an ingredient to help prevent serious death loss from coccidiosis.

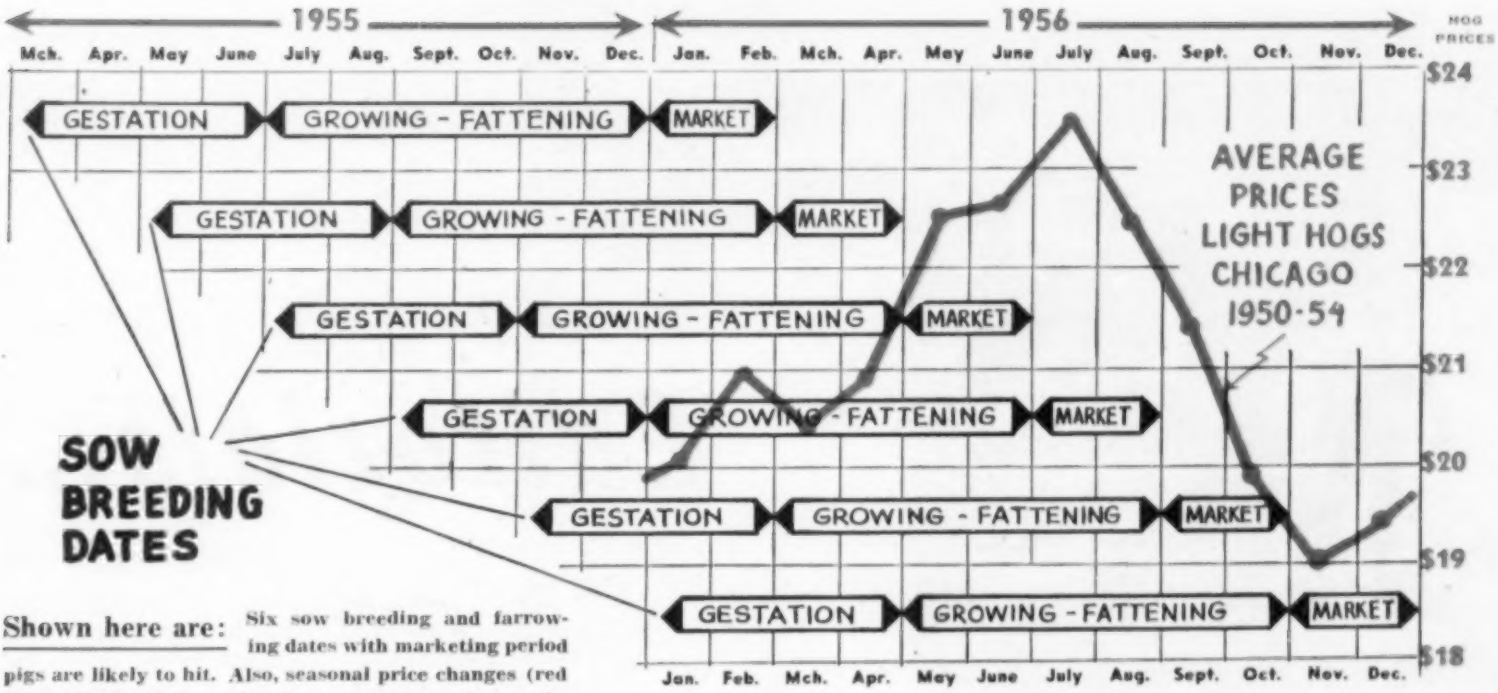
7 Easiest to use concentrate on the market. Combining corn and Mintrate is simple and easy.

MoorMan's CoxiCurb Mintrate is a completely mineralized vitaminized protein concentrate with an antibiotic food supplement added. 100 lbs. of Mintrate combined with 200 lbs. of your own corn multiplies the feeding value of that corn—gives you a low-cost chick starter that makes more chicken on less feed.

Call or see your MoorMan Man today —or write Moorman Mfg. Co., Dept. 853, Quincy, Illinois for prices and full details.

MoorMan's*
(Since 1885)
MINTRATES, MINERALS
and
Parasite Control Products
*Trademark Reg. U. S. Pat. Off.

THE GOOD MORTAR WE FEED MoorMan's



Shown here are: Six sow breeding and farrowing dates with marketing period pigs are likely to hit. Also, seasonal price changes (red line). By looking at the chart, you can estimate the kind of hog market your pig crop will hit.

Aim for highest hog prices

But consider your labor and equipment for saving pigs

PIG'S birthday tells you a lot about the kind of price the finished hog is likely to bring.

So when you select sow breeding dates, look at seasonal price changes. But other points deserve attention too.

Let's list three things to consider in deciding on the month for sows to farrow.

1. The price of hogs when pigs are grown and finished. Will they hit the season's highs or lows?

2. Weather at farrowing time. Can you save the pigs with your buildings and equipment?

3. Time to take care of sows and pigs. Does the farrowing date fit into other work arrangements on your farm?

All of these things are important. You want to increase profits by getting high prices. But you also want to raise big litters and cut costs that way.

Bad weather and poor equipment can be very costly in pigs lost. So can lack of time to care for sows when farrowing.

But big litters of April and May pigs may not make money because they're ready to sell when prices are low.

How fit farrowing dates into the price pattern, labor and equipment? Answer isn't exactly the same for every farm. But by looking at the problem, you may be able to improve your present hog raising plan.

Let's start by noting seasonal hog price changes. Monthly prices as an average of five years, 1950-1954, are shown by the red line on the chart above.

You'll notice that there has been $4 to $5 variation in hog prices between the November low and the July high.

Hog prices are high, comparatively, from May to September. For the other seven months, prices are much lower.

This pattern of seasonal hog price changes has been constant for 30 or 40 years. You can expect it to continue with the exception of occasional years.

Now let's look at six breeding and farrowing dates shown on the chart.

July farrowing: This means breeding sows this month. With six months for growing and fattening, the market period would be January, or possibly February for slow gainers.

Market hogs will hit the price peak after the first of the year. It's one or two dollars above the November low.

If you have time in July to take care of pigs, and if you have a cool place with shade, March breeding and July farrowing will be better on the whole than fall pigs at the usual time. But you'll not hit the best market months of the year.

September: This is the big fall pig farrowing month. May is the breeding time. March and April the marketing time.

Weather is favorable for little pigs. Most farmers have time to care for pigs. But so many farmers have pigs come in September that hog prices usually go down as they come to market. March has been the low point in the spring hog market of late years.

September is a farrowing time to avoid if you have equipment so you can farrow sows later.

November: This means breeding sows in July. Marketing period is May and June.

Hog prices are making the summer rise in these two months. Only July has shown a higher average in the last five years.

It's a good time to have sows farrow unless you're so busy picking corn that you can't take care of them. Good housing is required, of course, for November pigs.

January: This means breeding sows in September. Marketing period is July and August.

This is the most favorable time for getting high hog prices. Hog profits should be good for those who have buildings and equipment so they can save the pigs. Heat and insulated houses may be required.

You have time to take care of sows and pigs at this time of year.

March: Sows must be bred in November, and marketing period is September and October.

This may be a good time to have pigs come if you are sure you can get them to market in six months. But it's a bad farrowing date if it takes eight months to make a market hog.

March pigs hit a rapidly declining market.

March is a favorable time, however, from the labor standpoint. And sometimes weather isn't too bad. Pigs can be grown on grass.

May: Sows must be bred in January. Marketing period is November and December.

Price prospects are unfavorable. November and December are the low months.

However, weather is very favorable. You may have time to care for sows. Pigs can be grown on grass.

If you want to try for slow, cheap gains, May is the time to have sows farrow. There's no point in crowding May pigs to market weights.

After you consider the six farrowing dates described here, you may want to choose months in between them. And you may decide on multiple farrowing—two to four times a year.

Pick the dates with your labor supply and equipment in mind. But plan to market as many hogs as you can in the months from May to September.

by **Homer Hush**

When Hay Is Short

Corn fodder has been the hay substitute that farmers fall back on. Shock fodder has saved the cattle herd when roughage was short. Fodder this winter helped Lowell Hockensmith, Iowa farmer shown above.

You don't see so many shocks in the field any more, however. Many farmers have found an easier way.

Silage is a lot better feed than fodder, especially for late spring feeding. And an acre of silage will go about twice as far as an acre of fodder.

Besides, making and handling silage is easier than pitching fodder bundles with a fork.

Editorials...

Check on Killers

"WHAT DO WE need to do to cut down speeding and accidents? Let you and I and everybody else take down the number of cars that are being driven recklessly. Send these into the highway patrol with an account of the circumstances and let the patrolman follow thru."

This is the advice of a farmer in Jones county, Iowa. He may have something there. Anybody who takes a trip across the county is likely to see someone dashing along the road in a way that endangers the lives of many. But few do anything about it.

If everyone would note down the circumstances and the auto number and turn them into the highway patrol, we might have a better chance of getting some of these killers off the road.

A special medal will be given to the farmer who reports: "This morning I drove out of my lane onto the highway without stopping. That's the best way I know to kill somebody or get killed. So far today, it is the worst violation of safety rules I have found. I promise not to do it again, but probably the patrol had better keep an eye on me."

For Young Widows

A YOUNG FARMER writes: "Why should I pay money into social security so these old fellows can retire at a bargain rate? It may be all right for old men, but not for me."

Let's figure. This man is 32. If the rates prescribed by the present law hold, and if he makes $4,200 a year in net income, this man will pay in $6,866.50 by the time he is 65.

At 65, he'll get a monthly benefit of $108.50. It would take a little over five years to get his investment back. If his wife is also 65, the two would get $162.80 a month. Then it would take less than four years to get his money back.

But this isn't the main benefit of social security for a young man. The big profit is the protection given the family.

If he dies and leaves a wife and three children under 18, they would get a monthly check for $200 until the oldest child reached 18. Benefits would continue, at a lower rate, until the youngest was 18. And the widow, at 65, would still be eligible for a payment of $81.40 a month.

While a man of 63 or 64 gets a bargain as social security starts out, younger men also receive very solid benefits. And protection to the family—often supplemented by insurance—is more important than the old age payments.

Change draft law

What would happen if every boy was taken with no deferments?

FARMERS don't like the draft law. Neither does anybody else. But it is hard to find a substitute.

Here's the problem. Volunteers won't keep the armed services up to the number needed. But if everybody was drafted, we'd have two or three times as many men as are needed.

So about one out of three of the draft prospects are pulled in. That makes things hard for the draft boards, and makes everybody discontented.

Farm people have said repeatedly, in response to polls, "Let's take every boy. No exceptions. No deferments."

But if only one out of three is needed, what do you do with the other two?

THE administration has offered a complicated scheme for building up reserves. A boy could join the UMT for six months, then go into the reserves. If he didn't join up, he'd take his chance with the draft. The idea is to use the draft to push boys into the regular service and into these six months' units.

That still seems clumsy and unfair. But what should we do?

Wallaces' Farmer and Iowa Homestead doesn't have any pat solution. But we remember the days when many young fellows went into CCC and did good work in state and national parks and in national forests.

Perhaps it would be a good idea if every young man were to give two years to national service and know for sure that was what he had to count on. Provide new CCC units for work that needs to be done in forests and parks; make special divisions for boys willing to serve in hospitals and other public institutions; let others take their two years in army, navy or air force.

WOULD this help? Wallaces' Farmer and Iowa Homestead doesn't like the present program. We hope to see the day when volunteers will man the armed services. Until then, it seems unfair to ask one boy out of three to serve and to let the other two go. Actually, the other two pay a heavy price in uncertainty.

The present draft law runs out this summer. It will be extended in some form or other. The house of representatives has already voted a four year extension.

This seems to us a mistake. A two year extension would be plenty. And certainly improvements can be made.

Last Snow of season? Older folks hope so, but children feel differently. Here three-years-olds Marla and Karla Siefkas of Clarke county, Iowa, frolic in snow.

More Milk Coming

SECRETARY BENSON was right when he said recently that too little emphasis has been placed on marketing fluid milk efficiently.

A good example is the New York milk shed. Farmers there are trying for a $6.00 Class I price (Des Moines Class I price is $4.01). New York folks say this would push the price up two cents per quart.

The effect would be to cut consumption of fluid milk and to put more surplus into cheese and butter to compete with the middle west.

But Secretary Benson also says that things are going along fairly well for dairying and that no changes in present plans are needed. There he's wrong.

Milk production in 1954, in spite of a severe drouth, went up two percent. At the last of January, government holdings of cheese were up 29 percent compared to a year ago; holdings of butter were up eight percent. Cow numbers are high. Feed is plentiful and cheap.

USDA economists, in "The Food Situation" say: "The total supply of dairy products in the United States for 1955 will be the largest on record."

In other words, the Benson dairy program isn't doing the job.

Odds and Ends . . .

IF HOG prices are going to revive in late winter, they'll have to hurry. A big fall pig crop will be starting to market soon.

. . . INCREASING volume cuts labor cost. Purdue says that a herd of five sows takes 39 man hours per sow. But a herd of 20 sows takes only 20 man hours per sow.

. . . POULTRY RAISERS in the United States are talking about cutting chick purchases by 18 percent this spring. In the western Corn Belt, farmers say they plan on a 28 percent cut. For more details on intentions of Iowa farmers, turn to page 100.

. . . NEUTRAL NATIONS should make a careful study of what modern war with A-bombs and H-bombs will do to the world. This is the recommendation of Bertrand Russell, an English philosopher. He thinks such a report might make people in all countries stop and think.

. . . A STUDY of a group of young Ohio farm families found that while 98 percent of the men were farm raised, only 61 percent of their wives were. The town-raised girls had some trouble getting used to farm life.

. . . WHEN SOCIAL security old age payments are available to farmers in 1956, a good many older men are likely to retire. This should open up more farms to younger operators.

. . . EGG PRICES nationally dropped 30 percent from January, 1954, to January, 1955. In Iowa, the drop was 40 percent.

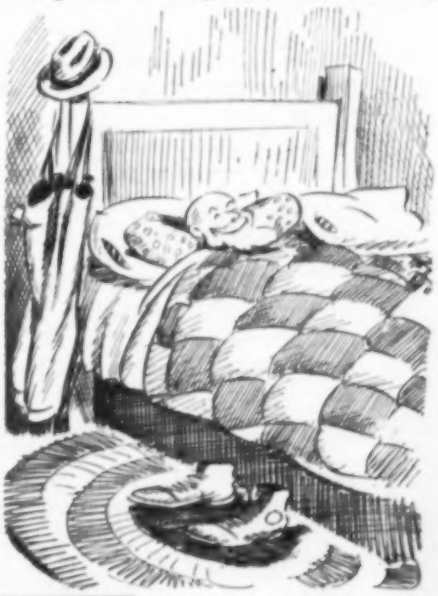
. . . IOWA FARMERS grow an average of 4.5 different hybrids per farm. This is the report of an Iowa State College survey. Altogether, Iowa farmers have over 500 names and numbers of hybrid corn varieties from which to choose each year.

. . . WHAT'S LIVESTOCK outlook in Canada? The Canadian Department of Agriculture says: "Hog production for the marketing year will be up 19 percent, with increases from five to seven percent in marketings of cattle, calves, sheep and lambs . . ."

. . . IN SPITE of winter snow, water shortage still looks bad in much of the southwest. Colorado reports that water storage in 47 of the state's reservoirs is only 40 percent of the 10-year average, and much less than a year ago.

Song of the Lazy Farmer

IT'S MARCH, and tho the winds may blow and we could still get hit by snow, Mirandy thinks I ought to be well started on spring work, by gee. She points to neighbor, cuss his hide, each day at dawn the guy's outside repairing, greasing, tinkering, so he'll be sure that ev'rything is lined up and prepared to roar the second spring arrives once more. In gales no sane man could endure that boob is hauling out manure, or checking up on soon-due cows and sitting up with pregnant sows; the other day, the low-down louse, he even cleaned his wife's hen house.



The only thing to do, I've found, when nagging season comes around, is to get a dizzy spell or two and other symptoms of the flu; with moans about my aching head I stagger weakly into bed. Thru long experience I am schooled so that Mirandy's always fooled; and so, for 'bout a week I can escape the spring-work frying pan. The only trouble is that she keeps popping in to check on me; I have to be alert and slick so when she comes I'm looking sick, and it is quite an art to creep on ice-box raids while she's asleep.

by Dave Bryant

Wean 'em early?

What are the advantages? How do feed costs compare?

Here's a frank discussion of the season's most exciting hog-raising question

PIGS can be weaned successfully at one, two and three weeks of age. There's not much argument on that point.

Research workers have proved it. Farmers are doing it. Thanks to new pre-starter feeds—and today's swine raising "know-how."

But what about the rest of the story? Does early weaning put you ahead in terms of dollars and cents? Will it help you boost hog profits?

On that point you can find argument. At least, you can find both researchers and farmers who are doubtful.

Swine experts at the University of Minnesota say they haven't been able to produce market pigs at lower cost by weaning early. They point to a test last year in which pigs weaned at eight weeks made faster and cheaper gains than pigs weaned at three weeks.

University of Missouri researchers will tell you about the same story. They contend that pre-starter feeds good enough to do the job are too expensive to be practical.

On the other hand, Dr. Damon Catron, swine feeding expert at Iowa State College, argues that early weaning can help the good hog raiser produce pigs at lower cost.

But Catron isn't running tests to compare costs of raising pigs under the two systems. To get an accurate comparison, many tests would be required, he explains. And that isn't necessary.

"We already know the nutritional requirements of pigs and sows," Catron says. That has been determined by many years of research.

So to get a comparison, Catron substitutes the cost of feeds used to meet requirements under both systems. Here are his figures:

Take the pig that's weaned at the age of two weeks. Here's his food bill at eight weeks of age:

5 lbs. pre-starter	**$1.00**
20 lbs. starter	**1.60**
55 lbs. grower	**2.48**
This pig's share of feed cost for sow nursing litter of 7½ pigs for two weeks	**.39**
Total	**$5.47**

Now look at the feed bill for the pig that's weaned at eight weeks:

25 lbs. starter	**$2.00**
This pig's share of feed cost for sow nursing litter of seven pigs for eight weeks	**3.36**
This pig's share of cost of weight lost by sow	**.93**
Total	**$6.29**

These figures, you'll note, give the early-weaned pig an 82-cent feed cost advantage. This winter's prices were used in figuring cost of feed and sow's weight loss.

Feed cost for the pig weaned at eight weeks was figured on the basis of a seven pig litter—the Iowa average. For the early-weaned pig, feed cost was figured on the basis of a seven and one-half pig litter. Catron says you can save one-half pig more per litter by weaning early.

And, says Catron, the figures that you've just looked at don't tell all of the story. Early-weaned pigs are "better-doing" pigs.

At the age of eight weeks, the early-weaned pig will weigh 10 to 20 pounds more than the average pig that suckles a sow for eight weeks. That's a bonus!

Another point: In previous tests, Catron has learned that an extra pound of weight at eight weeks age means an extra 2.2 pounds of weight at market age.

So if the early-weaned pig weighs 10 pounds more than the other pig at eight weeks, you can expect him to weigh 22 pounds more at market age. Or he'll go to market earlier.

Why do early-weaned pigs do better?

In the first place, early weaning avoids the growth slump that usually occurs during the third to fifth week after farrowing—when sow's milk begins to drop off.

There's no problem of "robbing" or too few "dinner plates," so you have fewer runts when you wean early.

Pigs stay healthier because early weaning cuts the risk of transmitting disease and parasites from sow to pigs.

Catron sees other advantages in weaning early, too. Among them:

Early weaning avoids loss of sow's weight. Most good-milking sows lose 50 to 75 pounds in an eight to 10 week nursing period.

Less labor is needed. Early weaning saves handling so much feed, bedding and manure as when sows are with litters. This more than offsets extra time spent in feeding pigs.

Less floor space required. Sows take up space. Instead of a large building, you can get by with a better, small farrowing house.

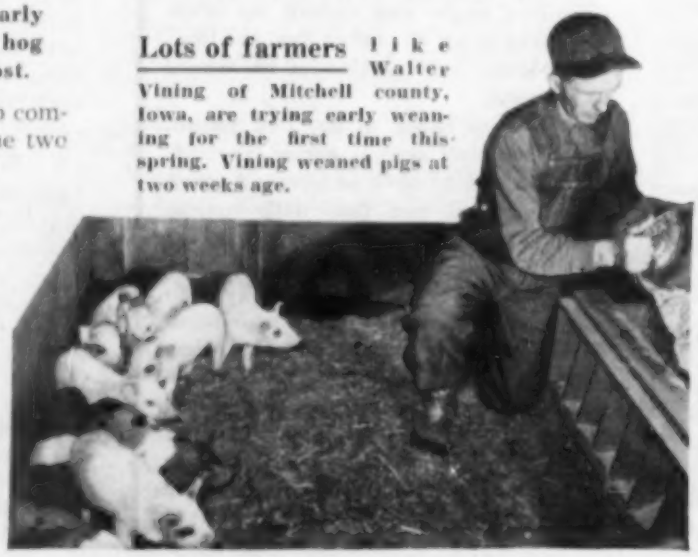
"I'm completely sold on the early weaning program," Catron says. "But not everybody should wean pigs at one week of age—only the top-notch hog managers."

Most good hog raisers can cut costs by weaning pigs at two or three weeks of age. And every hog raiser should be weaning his pigs by the time they're five weeks old, Catron says.

And he thinks that you'll be ahead by weaning pigs at one to three weeks—if you're prepared to meet the following requirements:

1. Feed a special prestarter—similar to ISC pre-starter "75."
2. Provide better than average equipment. But you won't need any better facilities than most good hog producers already have.
3. Follow good management practices. You can't neglect pigs once they're weaned. (See early weaning management suggestions, page 20, February 5th issue.)

Lots of farmers like Walter Vining of Mitchell county, Iowa, are trying early weaning for the first time this spring. Vining weaned pigs at two weeks age.



Plow under corn fertilizer

by **Al Bull**

HEAVIER applications of fertilizer pay off on many corn fields.

With better management and thicker stands, hill or row fertilizer is not enough to push corn on to top yields.

Too much fertilizer applied to hill or row can cut germination. Best way to put on extra fertilizer is to broadcast ahead of planting in most cases.

Plowing under is often more effective than disking in this extra application.

Sid Northey of Dickinson county, Iowa, says, "I like the idea of getting fertility deeper into the soil. That's where the moisture will be. Surface often dries out in midsummer. Without moisture, roots won't get the plant food—even if you have added it."

"Plow under fertilizer really worked for me last year," he adds.

Joseph Wirt of Des Moines county, Iowa, says. "Broadcasting and plowing under saves a lot of work. Lifting bags of fertilizer up to the hopper on a cultivator attachment gets tiresome. It slows down cultivation, too."

Just how widespread is the need for extra fertilizer? Here are estimates by Lloyd Dumenil, Iowa State College soil specialist.

In north central Iowa, 45 to 50 percent of the corn fields can use plow under phosphate. Need of individual fields depends partly on past use of phosphate in the rotation. And on amount of manure applied.

About 15 percent of the fields in this area can use extra potash. In other cases, enough potash can be applied in hill or row fertilizer.

Farther east in the Carrington-Clyde soil area, about one field out of four needs extra phosphate. Hill or row fertilizer really pays off here.

About one of each four fields can use extra potash. Potash nearly always pays on the sandy and poorly drained soils of this area.

Potash needs are increasing even on the well drained soils. So far, hill or row fertilizer with high potash content can take care of most of these.

In northeast Iowa, about one field in 10 needs extra phosphate.

Subsoil in this area is generally well supplied with potash. But extra potash pays off well on about one field in 10.

East central and southeast Iowa has a wide range of soils. Check with your county extension director on local conditions.

About 15 percent of the fields need extra phosphate for corn. Hill or row fertilizer can take care of most potash needs in the area.

Southern Iowa also has a wide range of soil conditions. Probably 25 to 30 percent of fields need plow under phosphate.

Ten to 15 percent can make profitable use of extra potash.

In western Iowa, hill or row fertilizer can take care of most potash needs. More and more soils seem to need potash included in the hill or row application.

On most Marshall soils of that area, hill or row fertilizer can take care of phosphate needs, too. Same goes for many other fields of the area.

Main exceptions are in northwest Iowa and the Ida soils. Ida soils are light brown with lime pebbles at the surface. Most of these need heavy applications of phosphate plowed under.

About 45 percent of northwest Iowa fields give a good response to extra phosphate. In this area, plow under fertilizer on well drained soils can take the place of hill or row applications.

Corn fields all over the state need nitrogen. Dumenil offers this general guide for nitrogen applications.

First year corn getting no manure can use 20 to 40 pounds of actual nitrogen. Choose the higher rate if the meadow plowed under was thin or mostly grass.

If a heavy growth of legumes was plowed under, you may need no extra nitrogen. Same goes for land covered with manure.

Second year corn can use 30 to 60 pounds of nitrogen.

Corn three or more years from a legume needs 60 to 100 pounds of nitrogen.

On all except sandy soils, nitrogen can be broadcast ahead of planting and plowed under. In dry seasons, plowed under nitrogen is often more effective than side dressing.

"You can't expect extra fertilizer to pay off without good management," points out Dumenil.

That means getting enough plants per acre. And keeping pests like weeds or insects under control.

Balanced plant food is important, too. Shortage of one nutrient can put a limit on crop yields even if you added plenty of the others.

Nitrogen is being plowed under on this bromegrass sod. Shown is John McKee of Warren county, Iowa.

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Feed insects or fight 'em

Which bugs will bother you this year? How badly? Here's the general outlook

WHAT insects will threaten your crops in 1955? How seriously?

Most western Corn Belt farmers can put the corn borer at the top of the list. Corn borer surveys last fall indicated that borer populations are high enough to cause plenty of trouble—if weather favors the borers.

The belt of heaviest borer infestation extends from northeast Nebraska thru central Iowa and across the northern half of Illinois.

"If we get the kind of weather that makes a good corn crop, there's every reason to expect a fairly heavy borer infestation this year," says Tom A. Brindley. He's in charge of the Ankeny corn borer research laboratory.

Even with normal weather, borers are likely to be a serious threat to corn in some areas.

"But if May is cold and wet—or even cold—borers might be held back," Brindley says. So watch the weather. It may determine whether or not you'll have to fight borers.

The same goes for most other insects that sometimes damage Corn Belt crops. Weather can make or break an insect threat.

But there's one hitch. Even if you could get your weather made to order, you wouldn't be able to sidestep all insect worries. That's because the same weather that spells doom for some insects may give others a big boost.

Here's how Harold Gunderson, extension entomologist at Iowa State College, sees the 1955 insect situation.

A warm, dry spring will bring plenty of insect worries. It'll bring a bigger first brood of corn borers than we had last year. It'll encourage a big grasshopper population in the southern half of Iowa. And probably it will increase the chinch bug threat—particularly in southeastern Iowa.

On the other hand, a cool, wet spring will encourage soil insects — cutworms, wireworms, seed corn beetles and seed corn maggots. And corn rootworm damage will show up more if the season is wet. Wet weather usually results in shallow roots. And rootworm damaged corn goes down worse.

Suppose rainfall and temperatures are about normal this spring. Still some farmers will have insect problems. Infestations may not be so heavy as in extremely abnormal seasons. But they could be heavy enough to cause plenty of damage.

Regardless of the season, the white grub is likely to cause more trouble this year than last year, Gunderson says. Especially on corn following grass or weedy, grassy legumes. White grubs appear to be increasing.

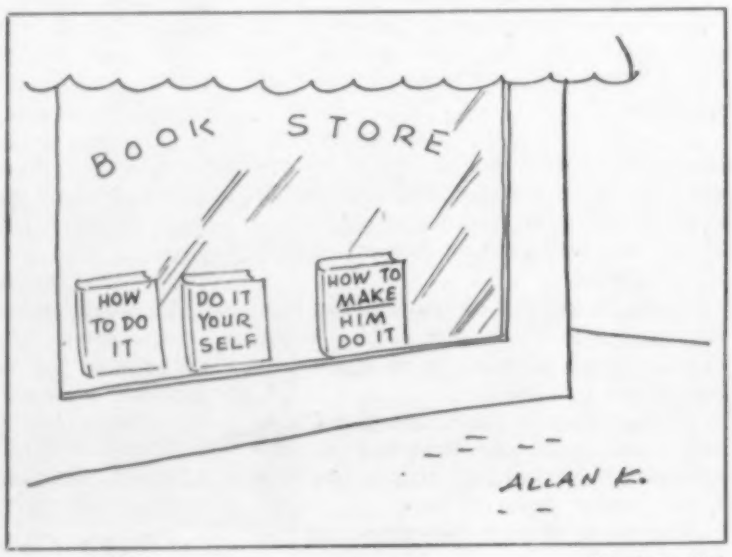
Also regardless of the season, the sweet clover weevil will be a threat to untreated stands of sweet clover. And corn rootworms are likely to cause trouble in corn that is two or more years away from a legume in the rotation.

At this time of year, there's not much you can do about controlling borers and hoppers—except make sure you'll have spraying equipment available if heavy infestations develop.

But with soil insects, the story is different. Effective control depends on applying chemicals before damage is done. And that means before you plant corn.

Damage from some soil insects can be avoided by having seed treated with insecticides. For others, best control is assured by applying insecticides directly to the soil—mixed with fertilizer, or broadcast and disked in.

Chemical controls have been developed for most of the insects that damage crops in the western Corn Belt. Wallaces' Farmer and Iowa Homestead will spell out those methods of control in detail in the next few issues.



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Ear notching method shown here will identify every pig and the litter it came from. Right ear (on your left) is used for litter number. Left ear (your right) is used to tell number of pig in litter. Litter or pig number is found by adding the numbers for positions where notches are made. For number 2, put two notches in the number one position.

Notching methods is recommended by University of Wisconsin hog raising specialists. To avoid mistakes, they recommend a big notch in the baby pig's ear, so it will not grow shut. And the notching should be done the first day or two of the pig's life.

Here's the way to mark pigs

Ear notching system explained here is first step in keeping hog records

EVERYONE would agree that not all sows are the same. For one thing, they differ in their capacity as producers.

One mark of a good sow is that of farrowing large litters. And just as important is her nursing ability. She should be able to raise a large number of vigorous pigs to desirable weaning weight.

Heredity plays a big part here. Conformation, litter size, and ability as a mother are partly due to heredity.

The gilts to keep are the ones from the best sows. Often these pigs are lost sight of. The way to overcome this is to keep records and identify each pig clearly by ear notches.

Question: I am going to have 10 sows farrow this spring. Why can't I use my own method for ear notching?

Answer: You can. But the ear notching system developed by experts is very simple. You can easily tell at a glance to what litter a pig belongs and which number the pig is in the litter.

Question: I have only five sows. Just notching one ear for the pig's number in the litter should be enough, shouldn't it?

Answer: No. Even with only five sows you might easily get the litter confused and mixed up. Especially later on, after the pigs are weaned. Notches in the right ear for the litter number and notches in the left ear for the pig's number in the litter works best.

Question: How would a pig be notched if it were from the fourth litter and number seven in the litter? What would the pig's number be?

Answer: The right ear would have two notches—three and one—which would indicate the fourth litter. In the left ear would be three notches. One notch at five and two notches at the number one spot next to each other. The pig's number would be 47—four for the fourth litter and seven for the number in the litter.

Question: Last year I had 12 pigs in a litter. It was the third litter. How should I have marked the 12th pig?

Answer: The litter notch in the right ear should have been in the number three spot in the diagram. In the left ear should have been three notches. One at the number 10 spot and two notches right next to each other at the number one spot. The pig's number should have been 32x. The 10 notch is read as x when the number in the litter is 10 or more.

Question: I raise a lot of pigs. Last year I notched, but I didn't keep enough records. What are the advantages of records?

Answer: If you don't keep records, there is no point in notching. Records are important. For instance, choosing gilts for breeding is one of the most important decisions the hog raiser makes. He can only make his decision intelligently with records.

Question: What are some of the records that should be kept?

Answer: Number of pigs farrowed and raised is important. Sows that farrow big litters and raise their pigs thru to weaning time are valuable. They tend to pass these valuable characteristics on to their offspring.

Question: Would you say that litter weight is important?

Answer: Yes. Litters that are heavy at weaning time indicate sow productivity and vigor.

Question: My neighbor who is a good hog man says that it is important to check on the weights at market time. What do experts say?

Answer: Your neighbor is right. Thrifty pigs make best use of feed and labor and mean less waste in the overall hog raising enterprise.

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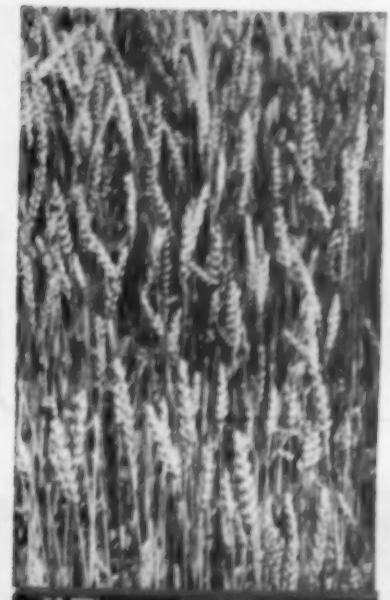
FAMED DQ PLANTER
For mounting on MM Attachor tool bar or 3-point hitches.

This DQ 4-row planting attachment mounts on the MM Attachor tool bar to give you an easy-to-handle planter for cotton or corn. It's available with combination corn and cotton cans, with alarm agitators, or with corn cans only. You choose sweeps, runner openers, knife-edge openers, or high-speed middle breaker bottoms. Also available in the 2-row size for standard 3-point hitches.

FP MOUNTED PLANTER
For MM models UB and ZB tractors —8-machines-in-11

Mounted FP Planters for MM models UB and ZB tractors give you the machine you need for every planting, fertilizing and cultivating job with the same frame, the same drive, the same parallel linkages, and same beams. You plant or cultivate 2 or 4 rows and apply fertilizer at the same time. Perfect visibility, Uni-Matic hydraulic control and Quick-On—Quick-Off mounting save time, work.



crops spring to life

WITH RED STEER YIELD-POWER

...and you get bonus bushels

"I can almost see that crop grow!"

Here's a frequent expression heard about crops when fed with **Red Steer**—Swift's quality plant food that has put thousands of farmers on the road to real money.

You can get bonus bushels at harvest time with **Red Steer**. And you'll see signs of **Red Steer** yield-power long before harvest. Crops are faster growing—greener, healthier.

Red Steer is Chemically-Hitched. Growth elements are fused together by an exclusive process developed in Swift's research laboratory. This assures uniform feeding of the crop, increasing the yield-power and producing bonus bushels.

There's a formula to fit your crop needs—carefully formulated for this area. This year, find out for yourself how **Red Steer** yield-power can produce bonus bushels. Order now! There's an Authorized Swift dealer or Agent near you.

Swift's PLANT FOOD SERVICE RED STEER

BUY AT THE SIGN OF THE RED STEER

Green manure is regular part of rotation on the Sidney Bell farm in Hamilton county, Iowa. Bell uses a mixture of clovers for his green manure crop.

Use mixture for green manure

A mixture of legumes means less chance of loss from insects, disease or weather

A MIXTURE of legumes is your best chance for a good green manure crop. That's the advice of many Corn Belt agronomists.

Pure stands are more subject to damage from insects and diseases. Special soil and weather conditions can be hard on pure stands, too.

For example, sweet clover weevils can clean a field of seedlings in a hurry. And ladino clover stands wet soil better than alfalfa or sweet clover.

It seldom pays to seed oats alone. Green manure crops can give really big boosts to the following corn crop.

Here's what happened in Iowa State College tests: Corn following oats with alfalfa averaged 20 bushels more per acre than corn following oats alone. Southern common and hardy northern common alfalfa gave the same increase in corn yields.

Average amount of nitrogen in roots and tops was the same, too. Fifty pounds per acre.

Medium red clover contained the same amount of nitrogen. And gave the same increase in corn yields.

Mammoth red clover is about two thirds as good as medium red clover for green manure. That's when you plow it under at the end of the seeding year, according to Dr. Iver Johnson, Iowa State College agronomist.

Both sweet clover and ladino clover did better. Nitrogen content of each was about 80 pounds per acre. But corn after sweet clover yielded 23 bushels over the corn following oats with no legume. Corn after the ladino averaged 31 bushels increase.

The extra yield may be due to faster decay of the fine-stemmed ladino. So the carryover effect of sweet clover may be greater. Further testing is under way.

In the same tests, 100 pounds of nitrogen from fertilizer jumped corn yields 38 bushels above corn following oats alone.

Fifty pounds of nitrogen added 30 bushels to corn yields.

Tho commercial nitrogen appears more efficient, there's no definite proof yet. Part of the green manure plants decay rather slowly. As a result, nitrogen carryover from green manure may be higher.

At any rate, green manure adds an extra benefit in organic matter. And the field is "growing nitrogen" instead of standing idle after oats are harvested.

Now, what mixture for green manure?

Dr. Johnson recommends this combination: three to four pounds of alfalfa—either southern or hardy, three to four pounds of sweet clover and one half to one pound of ladino clover.

In most years three pounds of red clover are included in the mixture. But this year, red clover was omitted because of high seed price.

The mixture contains deep rooted legumes for normal to dry parts of your fields. And ladino for wetter spots.

Same combination helps take care of wet or dry weather, too. If sweet clover weevil hits, alfalfa and ladino can take over.

If there's a chance you might want to leave the green manure mixture for pasture, substitute red clover for the sweet clover. And use a hardy alfalfa. Then the mixture can be left for the second season if you wish.

On the upland areas of western Iowa—and any drouthy soils—ladino should be omitted. Ladino needs more moisture than these soils are likely to provide.

If your soil is acid, be sure to include red clover. It stands acid soils better than either sweet clover or alfalfa.

No matter what you seed, inoculate the legume seeds. At best, legumes get about two-thirds of their nitrogen from the air. So give them the chance to fix all the nitrogen they are able.

NOW! NEW WAYNE TAIL CURLER ROCKETS

MAKES NURSING PIGS "EAGER EATERS"

TESTED AND PROVED AT THE WAYNE RESEARCH FARM

TASTY PELLETS — REDUCE WASTE

HERE'S A NEW FEED that will get your nursing pigs off to an *extra-fast* start—lay the foundation for *fast, low-cost* gains all the way to market.

Baby pigs love Tail Curler ROCKETS. You'll be enthusiastic, too, when you see how they tempt week-old pigs onto solid feed.

Just 25 lbs. per litter will give you larger, huskier, more uniform pigs that can be weaned at 5-6 weeks averaging 20-25 lbs.—many weighing over 30 lbs. at 6 weeks.

WAYNE Tail Curler ROCKETS are *tailor-made* for the nutritive requirements of baby pigs. Hundreds of litters at the Wayne Research Farm helped to develop and prove this *high energy—highly digestible* formula. So efficient, you can expect almost a pound of gain from a pound of feed.

See your WAYNE FEED DEALER today for WAYNE Tail Curler ROCKETS!

Special appetite appeal—contains dried milk products, oat groats, sugar, fish meal, stabilized fat—plus balanced vitamin, mineral, antibiotic and growth factor fortification.

Feed 'em WAYNE all the way—

start 'em RIGHT

With

WAYNE Tail Curler ROCKETS—Extra tasty. At one week, starts baby pigs nibbling on solid feed.

WAYNE TAIL CURLER—After pigs have eaten 3 lbs. Tail Curler ROCKETS, switch to Wayne Tail Curler—Packed with powerful easily digested nutrients that make pigs g-r-o-w. Speeds 'em to a husky 75 lbs. extra fast!

grow 'em RUGGED

and ready for market with the new improved

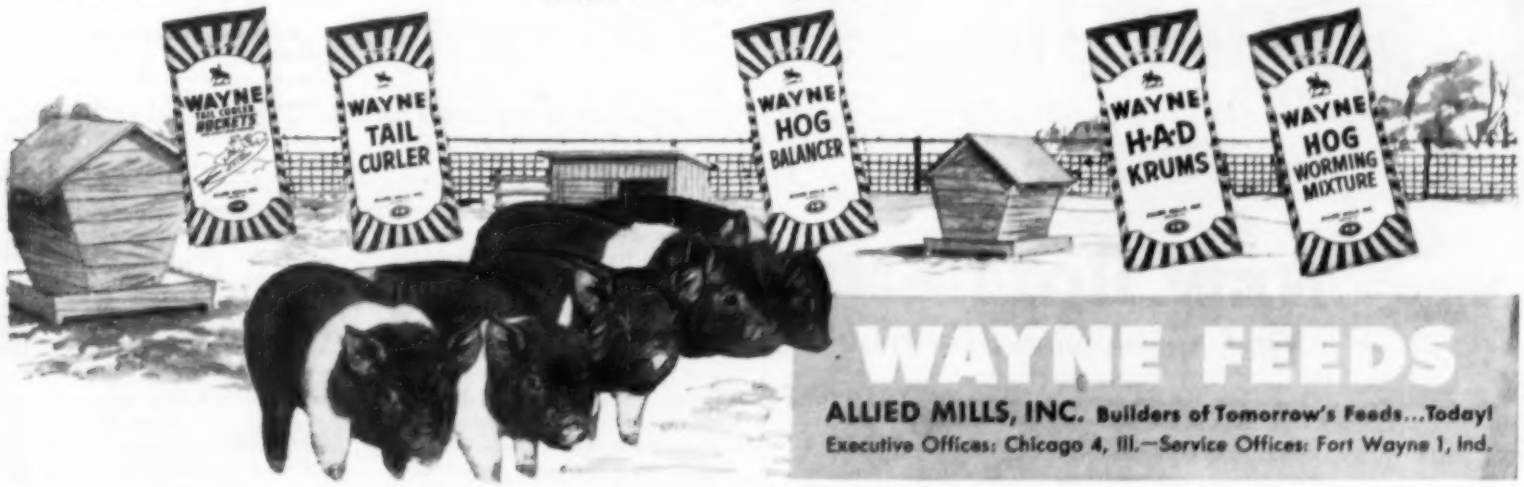
WAYNE HOG BALANCER—Feed from 75 lbs. to market weight. Fortifies your grains to produce high speed gains . . . market weights at 5 to 5½ months . . . at low cost per pound of gain. In recent Wayne Research Farm dry-lot tests, 100 lbs. of pork was produced with only 5¼ bu. corn, 49 lbs. Wayne Hog Balancer.

keep 'em ROBUST

With

WAYNE H-A-D KRUMS (High Antibiotic Diet)—High antibiotic level provides powerful nutritional boost when needed most . . . brings pigs back fast after castration or vaccination shock or other set-backs such as infectious Diarrhea (scours, necro).

WAYNE HOG WORMING MIXTURE Over 95% effective for removing large roundworms . . . yet keeps pigs gaining and on feed without set-back. Gives pigs an extra nutritional boost while being wormed.



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ALLIED MILLS, INC. Builders of Tomorrow's Feeds...Today!

Executive Offices: Chicago 4, Ill.—Service Offices: Fort Wayne 1, Ind.

Model 601 harvester chops and loads up to 22 tons of grass silage per hour.

Chop any forage crop with a New Holland!

Reduce labor requirements as much as 25%!

With a New Holland Forage Harvester and three attachments—windrow, row crop, direct cut—you can harvest any crop, whether it's corn or soy beans, alfalfa or 15-ft. sorgo. And your crop is in the silo in less time than you'd think possible.

Easy to run? Nothing to it. One lever controls the feed table—start, stop or reverse—right from the tractor seat. A spring-loaded pistol grip swings the discharge spout right, left or center in a second. Patented anti-clogging Flo-Trac Feed keeps constant control of light or heavy material.

A labor-saver? You bet. *One* man can fill a 5-ton wagon with grass silage in less than 15 minutes. No wonder more and more short-handed farmers are turning to New Holland for help.

Your New Holland Dealer carries a full line of forage harvesters—engine-powered or p.t.o.—and forage blowers. Pay him a visit. He's the center for grassland farming. The New Holland Machine Co., a subsidiary of The Sperry Corp.

"Labor used to be our biggest problem and expense," says Richard Dorr who runs the Clarence Dorr Farm in Watertown, N. Y. "Now, through the use of modern grassland methods and New Holland machinery we've cut our labor by more than 25%." He uses his Model 601 ensiling both grass and corn crops.

FREE! We'd like to send you a 16-page book, "Preservatives Insure Your Silage." Ask, too, for free Forage Harvester catalog. Write: New Holland Machine Co., 1803A Elm St., New Holland, Pa.

Many farmers store their silage in some form of temporary silo. This diagram shows how a New Holland Spreader, converted with extension sides to a self-unloading forage box, can be used to fill such silos. You simply drive through and unload the forage automatically.

NEW HOLLAND

"First in Grassland Farming"

New Holland, Pa. • Minneapolis • Des Moines • Kansas City • Columbus, O. • Charlotte • Lockport, Ill. • Syracuse • Brantford, Ontario

Good pasture can cut cost of producing either milk or beef.

Make pastures last longer

With good planning, you can have plenty of pasture thru more months of the year

PASTURE is often the cheapest feed you have. So stretch the pasture season all you can.

Biggest problem on most farms is plugging that mid-summer gap when bluegrass takes a rest.

Norman Amundson of Clayton county, Iowa, has solved the problem with alfalfa-brome. He uses part of the second cutting as pasture when bluegrass starts to give out.

James Paul of Jasper county, Iowa, added trefoil to stretch bluegrass farther into the summer heat. Then he shifts to a mixed legume and grass pasture.

"Bluegrass with trefoil recovers faster in the fall than bluegrass alone," points out Paul. So that narrows the period when bluegrass is out of production.

Filling in the mid-summer slump isn't all you can do. Both Amundson and Paul try to stretch both ends of the pasture season.

"Nitrogen on some bluegrass usually brings it into production a little earlier," thinks Amundson. Paul added nitrogen to bromegrass last spring to get earlier pasture.

On the other end of the season, Paul has several possibilities for late fall pasture in his setup. Many times, hay fields make some extra growth that can be pastured off. Trefoil and bluegrass provide late pasture if not grazed too closely earlier in the season. Legume-grass mixtures used for mid-summer pasture usually supply some late pasture, too.

Amundson sometimes gets late pasture from a spring seeding. Otherwise, he winds up on alfalfa-brome and any bluegrass the late season produced.

Most farms need more than one type of pasture.

For spring pasture, fall-seeded small grain usually comes into production first. Grass fertilized early with nitrogen comes along soon after.

During June, bluegrass reaches its peak production. Thru July and August, an alfalfa-brome mixture does well for most areas. Probably, you'd want to include some ladino in the mixture, for all except the upland soils of western Iowa.

Any legume-grass mixture usually does better than bluegrass during July and August.

If you need mid-summer pasture on short notice, try a late seeding of sudan grass. It comes into production in July and lasts thru the rest of the season.

Lespedeza in small grain stubble can furnish pasture thru late July, August and September. This fits well into many southern Iowa and northern Missouri areas.

"Good management is a big part of making pastures last thru the season," points out Harvey Thompson, Iowa State College pasture specialist. "Pastures grazed too close in the fall are likely to be weakened. Some plants may be killed. And others may be slow to recover in the spring."

Don't turn into pasture before plants have a good start. Bluegrass should be tall enough so cows can get a bite. Let the growth get four to six inches tall before turning in livestock.

Rotation grazing can give pasture plants a chance to recover better than continuous grazing.

Excess early growth can be made into grass silage. Then the silage can be fed during periods of short pasture or during the winter.

Rotation pastures can be given a further stretching. Cut with a forage harvester, and feed the green chopped forage in drylot. Iowa State College tests so far indicate that production is at least doubled this way.

Pasture isn't much good unless you have livestock to use it. But now is the time to plan for all you will need.

Already 38% of the nation's market cattle are growing faster on less feed with 'Stilbosol' in their rations.

'Stilbosol' now helps fatten 38% of nation's cattle...*

More than one-third of the beef cattle fed for market in the U. S. today are eating 'Stilbosol'-fortified rations.

This is said to be the most rapid adoption of a new practice in the entire history of American agriculture—all within the short period of three months.

RESULTS CONVINCE CATTLE FEEDERS

Leading cattle feeders have been quick to appreciate 'Stilbosol's' value—for good reasons.

Benefits from 'Stilbosol' have been convincing. Gain increases have averaged about 20% with increases of as much as 37% commonly reported. Feed costs were slashed up to 20%, and cost of gain cut from 2 to 4 cents a pound, while profit margins per steer jumped as much as $25 to $30.

Rations with proper levels of 'Stilbosol' have put an extra ½ to ¾ pound of gain per day on fattening steers. Total gains have hit 3½ pounds per day for sustained feeding periods of 70 to 112 days. Results like these were with steers on high-corn rations.

America's cattle feeders didn't let such benefits escape. They figured they couldn't let this profit-making tool get rusty.

That's why so many veteran cattle feeders became convinced so quickly. That's why 38% of the nation's cattle are growing faster on less feed with 'Stilbosol' in their rations.

'STILBOSOL' VERSATILE

'Stilbosol' is a proved gain-booster. But it can only do the job you want done when it works with a good ration, and is fed by men who continue their usual high-quality feeding and management practices. Profit-making results are possible under a wide range of feeding programs for market cattle from 600 to 1200 lbs.

BENEFITS MANY RATIONS

'Stilbosol' has stimulated excellent gains with many types of rations. Steers on high-roughage rations made gains of 2 pounds per day—at the low cost of 17½¢ per pound. Steers wintered on grass silage gained 1.2 pounds per day with 'Stilbosol'-fortified supplement plus 2 to 3 pounds of ground ear corn daily. Steers wintered on cornstalk silage, plus 1½ to 2 pounds of ear corn per day and 'Stilbosol'-fortified supplement, gained 1.2 pounds a day at a cost of 17¢.

INCREASES HEIFER GAINS, TOO

Heifers on full corn feed increased gains by 10 to 15% with 'Stilbosol.' Total gains up to 2.34 pounds per day have been made. Cost of gain has been cut 10%, choice beef produced for 19.6¢ per pound, and profit per head increased by $7.41.

MANUFACTURERS MOVE SWIFTLY

Feed manufacturers realized that 'Stilbosol' was needed in your feedlots *right away!* With extreme care and speed, many feed manufacturers carried out the complicated steps needed to get 'Stilbosol' into cattle fattening rations. The extra effort was certainly a boon to cattle feeders . . . at a time when extra feeding margins came in mighty handy.

If you aren't feeding 'Stilbosol'-fortified supplement to your market cattle, you should consider it.

It's likely your feed dealer handles 'Stilbosol'-fortified cattle supplement. He's the safe, sure source for this new gain-booster.

**Estimate based on USDA figures for cattle on feed January 1, 1955.*

Stilbosol

MAKES THE DIFFERENCE

So... BE SURE—the trademark 'Stilbosol' (Diethylstilbestrol Premix, Lilly) on the bag or ingredient tag of the beef fattening supplement you buy assures that this safe, gain-building additive is included.

Stilbosol

(Diethylstilbestrol Premix, Lilly)

Lilly

'Stilbosol' is Eli Lilly and Company's trademark for Diethylstilbestrol Premix, Lilly. 'Stilbosol' is compounded under license from the Iowa State College Research Foundation, Inc.

ELI LILLY AND COMPANY, AGRICULTURAL PRODUCTS DIVISION, INDIANAPOLIS 6, INDIANA

Now available in 10-lb. HANDI-PAK size

Peebles' Whey Blocks condition chicks for a SAFER start

Now available from your local feed dealer — Peebles' new chick-size whey blocks to give baby chicks a "milk-fed" boost, right from the start!

Each of these economical, 10-lb. Handi-Paks supplies 100 chicks for 30 days. Each pack is loaded with milk nutrients from whey — milk minerals, milk protein and milk vitamins that tone up young digestive systems in a natural way — build resistance to disease and cut down losses.

Feed Peebles' the year around — in the new Handi-Paks for baby chicks and the big "thrifty fifty" blocks for older birds. Profit all year from the health-giving magic of whey.

Peebles'

FREE CHOICE FEED

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WESTERN CONDENSING COMPANY Appleton, Wis. • Petaluma, Calif.

World's Largest Producer of Whey Products

Why farm prices go down

Farm Institute discusses "The Farmer and the Free Society"

Every year farm people, with some representatives from business and labor, gather at Des Moines for a two day session of the National Farm Institute. The Institute is sponsored by the agriculture committee of the Des Moines Chamber of Commerce. Below are reported some of the high points in the sessions.

WHY SHOULD government do anything for farmers? John H. Davis, former assistant secretary of agriculture, gave one answer during the National Farm Institute at Des Moines.

Davis said: "Why is government called upon to participate so extensively in the farm picture? The answer to this question is fundamental. It is this—agriculture is very vulnerable to low prices during periods of economic adjustment, such as the present, because farmers lack control over output. . . .

"Production is a growth which cannot be increased or decreased during a growing cycle, at the direction of management. Also, production is dependent in a large measure on the weather. Even with the best of planning, farmers frequently miss their production goals by 10 or 20 percent or more.

"Add to this the fact that a small surplus can greatly depress a farm market, and you have stated the basic farm problem. Sometime a surplus as small as five percent may cause a commodity price to fall as much as 20 percent or more.

"The result is that agriculture is more vulnerable to chronic periods of depressed prices than most industries. It is because of this fact that farmers have pressed for and obtained the price support programs which are now on our statute books."

Mr. Davis added: "It seems to me that a policy of reducing farm income in order to force desired adjustments is a little like cutting off our agricultural nose in order to spite our national economic face. . . . The real problem with our support programs is not that they do too much for the farmer but that they are cumbersome and are not in keeping with the needs of the 1950s."

* * * *

Beginning farmers and their problems were discussed by Robert Buck, Dallas county, Iowa, farmer. Buck said:

"In the typical Iowa county, 40 or 50 openings each year may be considered a rough measure of the maximum opportunity for new farmers. But we have more than twice that many farm boys and girls available each year (not counting those in towns and cities who want to farm). In looking about him, a prospective farmer would observe more farmers looking for farms than there are farms available.

"If there continue to be more people wanting to farm than there are farms, then tenants will tend to bid up rental rates. Lease arrangements will become less favorable to the operator, and the combination of inadequate farms into economic units will be retarded because the competition will keep the smaller, subsistence units in operation."

Buck recommended vocational training for young men who wanted to leave the farm for non-farm jobs and more training and better financing for those who do stay on farms.

* * * *

How does Great Britain deal with the threat of Communists inside its borders? The British ambassador, Sir Roger Makins, told the farm audience:

"It is sometimes thought, just because we in Britain have a somewhat different method of approach to the problem of Communism at home that we are therefore in some way unaware of the threat it represents and that we are lax generally in our security arrangements. Let me assure you that neither of these propositions is true.

"Politically, industrially, there is no proscription of the Communist as such. He is in exactly the same position as any other citizen. He is not named in any legislation. He is free to talk his head off at street corners and to stand for parliament if he does not mind forfeiting the sum of money he is required to deposit before he can stand.

"What is the result? Between 1942 and 1951 the voting strength of the Communists fell from over 100 thousand to 21 thousand, which is .08 percent of the voters. . .

"The fact is, of course, that Communism does not flourish in the climate of British democracy any more than it does in the climate of American democracy."

* * * *

How should we deal with Russia? Adolph Berle, Jr., formerly high in the state department, said:

"Co-existence means the free world and the Communist world will grind against each other in tension and struggle until great blocs of the world population change sides one way or the other.

"The task of American idealism—and the task of American diplomacy—is to induce populations to choose the free world system rather than the Moscow-Peiping axis. The only alternative is an atomic war."

Made Highest Yields, Top Performance

in Official 1954 Iowa Yield Results

Here's proof of the great yielding ability of Pioneer corn . . . from 2 *official* Iowa sources: (1) the Official 1954 Iowa Corn Yield Test, *conducted by Iowa State College* and open to all seed corn producers; and (2) the Official 1954 Iowa Master Corn Growers Contest, *conducted by the Iowa Crop Improvement Association*, and *open to any farmer*. The great over all performance of Pioneer corn in these two officially conducted tests verifies the experience of Iowa farmers who plant Pioneer. *53 different seed corn producers entered 251 different corn hybrids* in the 1954 Iowa Corn Yield Test—and *321 farmers competed* in the 1954 Iowa Master Corn Growers Contest. Yet, among all those entries, one kind of corn—PIONEER—stood out above the others. That's why every year more and more Iowa farmers plant more and more Pioneer seed corn.

IOWA CORN YIELD TEST

PIONEER WINS 2 OF 4 SECTIONS

Among all hybrids tested, Pioneer hybrid corn won two of the four maturity Sections. Among *widely grown hybrids, Pioneer won 3 of 4 sections and 7 of 11 districts. Below, study section records of Pioneer hybrids. For complete information write Bulletin Dept., Iowa State College, Ames, Iowa. Ask for Bulletin P-118. It contains official proof that you can rely on Pioneer for big, dependable crops—no matter where you farm in Iowa.

NORTHERN SECTION

FIRST among all hybrids with 2 and 3 yr. averages (Pioneer 352)
FIRST AND SECOND among widely grown hybrids with 2, 3 and 4 yr. averages (Pioneer 352, 349)
FIRST among widely grown hybrids in 1954 (Pioneer 352)

NORTH-CENTRAL SECTION

FIRST among all hybrids with 3 yr. average (Pioneer 352)
FIRST AND SECOND among hybrids with 4 yr. avg. (Pioneer 352, 349)
FIRST AND SECOND among widely grown hybrids with 2, 3 and 4 yr. averages (Pioneer 349, 347, 352)
FIRST AND SECOND among widely grown hybrids in 1954 (Pio. 347, 352)

SOUTH-CENTRAL SECTION

FIRST among all 100 hybrids tested in 1954 (Pioneer 329-Exper. X-0101)
FIRST among all hybrids with 3 and 4 yr. averages (Pioneer 301)
FIRST among widely grown hybrids in 2 and 3 yr. averages (Pio. 325, 352)

SOUTHERN SECTION

FIRST among all 100 hybrids tested in 1954 (Pioneer 301-B)
FIRST AND SECOND among all hybrids with 2 yr. average (Pioneer 301, 301-B)

*The widely grown hybrids in each maturity section were determined by a survey among farmers and entered by Iowa State College.

IOWA MASTER CORN GROWERS CONTEST

HIGHEST YIELDS MADE WITH PIONEER

The official 1954 Iowa corn yield champion and runner-up both produced their winning yields with Pioneer corn. And that's not all! The 2 highest yields in the contour division of the contest were produced by farmers who planted Pioneer corn. Best of all . . . all these men used Pioneer varieties planted widely by thousands of Iowa farmers—Pioneer seed corn *you yourself* can get and raise. There's official proof—made right on the farms, under practical conditions, on level and contour land—that Pioneer hybrids help good farmers produce the most corn their soil and weather can put out.

2 HIGHEST YIELDS IN STATE

STATE CHAMPION Ray Mitchell (left), of Charles City, produced 152.5 bu. per acre with Pioneer 349 to top all entries. Runner-up Paul F. Schrage (right), of Rudd, produced 144.8 bushels per acre also with Pioneer 349.

2 HIGHEST CONTOUR YIELDS

HIGHEST CONTOUR YIELD of 142.9 bu. per acre was produced by Orin Ehrie (left), Decorah, with Pioneer 349 and 371. Oyen Bros. (right), Decorah, made 2nd highest contour yield of 140.8 bu. per acre with Pioneer 349.

FOR A DEPENDABLE '55 CROP PLANT PIONEER . . . WINNING HYBRIDS STILL AVAILABLE

These 2 official Iowa yield reports confirm the money-making field results Iowa farmers enjoy each year with high yielding Pioneer. They give you added proof that Pioneer is your best bet for greatest all-around performance and top yields in 1955. So plan now to harvest a big, profitable corn crop next fall. This spring, plant seed corn you can depend on. Plant *all* your corn acreage to Pioneer—and reap the maximum in corn growing satisfaction and profit. If you want to increase your order for Pioneer—or want to switch to Pioneer—see or phone your Pioneer salesman. Better do it soon though—while he can still supply you with the winning hybrids.

NOT ONLY IN IOWA *but Tops All Over The Corn Belt!*

MINNESOTA: Farmers entering Pioneer produced **3 highest yields** and 3 highest extra yields in Official 1954 Minnesota X-Tra Yield Corn Contest.

MISSOURI: Pioneer was highest yielding yellow corn in **2** of **3** regions and in **3** of **7** test fields in Official 1954 Missouri Corn Yield Trials.

ILLINOIS: Pioneer holds highest 3-yr. avg. yields in **3** of **5** test fields and won **2** of **5** test fields in official 1954 Illinois Corn Tests.

INDIANA: World Record Yield of 241 bu. per acre made by A. J. Custer, of Garrett, with Pioneer in Official 1954 Indiana 5-Acre Corn Contest.

OKLAHOMA: Pioneer made highest average yield among commercial hybrids in both zones harvested in Official 1954 Oklahoma Corn Performance Test.

KANSAS: Pioneer made highest yields among commercially available yellow hybrids in **5** of **6** test fields in Official 1954 Kan. Corn Performance Test.

MICHIGAN: Pioneer produced highest yield in Official 1954 Michigan Hybrid Corn Trials. Also made highest yields in **5** of **9** test fields.

COLORADO: Pioneer won **3** of **5** test fields in Official 1954 Colorado Corn Performance Tests. Holds highest 2-yr. avg. in **2** of **5** Maturity zones.

PIONEER HI-BRED CORN CO., DES MOINES, IOWA
GARST & THOMAS HYBRID CORN CO., COON RAPIDS, IOWA

Join the Big Swing to **PIONEER**

Here's real fence planning help for you!

IN this publication, *Fence Planning Saves*, you will find information and material to help you plan the most practical and efficient layout for your farm or ranch.

In addition to general information, included in the folder are an ASC or SCS land-use scale and tracing grid on which you can draw the outline of all your fields. This will enable you to determine exactly how much fencing you will require. There is also a cost sheet for figuring the complete cost of all necessary materials. Efficiently used, this folder will simplify your fence planning, will help you get a better finished job.

Fence Planning Saves also contains the complete story of the advantages of pressure-creosoted posts. It shows by a cost analysis how the use of pressure-creosoted fence posts can materially reduce the over-all yearly cost of fence.

USS CREOSOTE—is an ideal preservative for wood fence posts. Records show that pressure-creosoted wood fence posts last up to seven times as long as untreated ones, are highly resistant to damage by weather, soil conditions, and attack by termites, fungi and other destroyers. But let this leading farmer tell you about his experience with pressure-creosoted fence posts:

"I have about 500 pressure-creosoted posts on the place at present, and intend to replace all posts in the future with pressure-creosoted," says Mr. J. A. Bloomberg, Dearborn, Missouri. "I expect these pressure-creosoted posts to last at least 30 years. They're easier to work with than untreated posts, and they hold staples better."

Send in this coupon NOW!

Agricultural Extension
United States Steel Corporation
Room 4632, 525 William Penn Place
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☐ Please send me a free copy of your farm fence folder "FENCE PLANNING SAVES."
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☐ I would like to know the name of my nearest supplier of pressure-creosoted fence posts.

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Address.....County.....
Town.....State.....

UNITED STATES STEEL USS CREOSOTE

UNITED STATES STEEL

Weather forecast: Much colder and high winds. Farrowing forecast: Two sows are scratching straw. That leads to . . .

The Farmer's Vigil

THE glow of heat lamps shine from the hog house windows, making golden paths across the frozen hillside. The bitter stinging wind whips across fields and barnlots You, the farmer have taken up your lonely vigil awaiting the arrival of two litters of pigs.

The weather has been nice for several days. Wish they would start farrowing while the weather's good.

Bulletin from the weather bureau: Much colder tonight, high winds.

Bulletin from the farrowing house: Pigs expected, soon.

Supper time: "Will there be pigs tonight"?

Answer: "Two sows scratching straw."

What a night! Why wasn't it yesterday when the weather was warmer?

Beside the farrowing crates you wait. Warmth-giving heat lamps shine on the thick, bright straw. Even so, the cold creeps in from every side, as tho seeking to claim the little wet, floundering pigs. When they totter away, you put them back within the security of the circle of heat. Born with a desire to struggle to reach life-giving milk, at last they "connect" with that waiting supply, and the struggle for survival is partly won.

From the warm depths of a sound slumber, I, the housewife, occasionally arouse to wonder:

"What time is it?"

"How are the pigs?"

Intermittently, he comes to the house, shovels coal into the furnace, and warms over the register.

Last Sunday I'd thought while you awaited dinner from your easy chair, "Wish I were a man".

As the wind howls outside, I don't wish it now.

At last the porch door opens—a dull thud as five buckle overshoes drop to the floor. As he enters the kitchen, I sleepily call:

"What time is it?"

"Four A. M."

"How're the pigs?"

"One sow had ten. The other had nine."

"Will there be any more tonight?", sincerely hoping not.

His answer: "Another sow scratching straw"!

—Mrs. Pauline Harland

A *new* New Idea spreader

6 new blue ribbon features

1. **SLANTED ARCH**—out of way for loading. Deflects material more evenly onto lower cylinder and distributor.

2. **STEEL FLARES** run full length of bed. Steel front endgate.

3. **BIGGER UPPER CYLINDER** further increases shredding efficiency. Now strengthened with 3 inside support heads.

4. **PENTA-TREATED,** water-repellent wood sides and bottom insure even longer rot-free life.

5. **LARGER, HIGHER SHIELDING** cuts down spillage, protects working parts.

6. **STRONGER DISTRIBUTOR.** Paddles can be removed separately without disturbing others on new tubular shaft.

. . . and more:

- Bigger, longer-wearing cylinder bearings.
- Handy screw adjustment regulates apron tension.
- Stronger hitch actually part of frame.
- Gusset plate frame-to-box reinforcing.
- Pressed fiber bushings wear longer, take less servicing.

NEW — GUARANTEED NO. 17 NEW IDEA SPREADER. Fifth member in the most complete line of spreaders. Especially built to take heavy shocks and strain of mechanical loading. Biggest capacity (95 bu.) ground-driven spreader made. **A big step forward in spreading efficiency.**

joins a famous farm line

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Added to the New Idea line of four famous spreader models, the new 95 bu. No. 17 brings bigger capacity, extra power and greater speed than ever to your spreading job. It is rugged, long-lasting — will perform like new long after it has paid for itself in savings. And the No. 17 carries a full year's service guarantee. Ask your New Idea dealer to phone you when his first No. 17 spreader arrives. Mail coupon for illustrated literature.

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THE NEW 95 BUSHEL NO. 17 is a real teammate for a New Idea-Horn loader. Note how new slanted arch allows extra room for swing of bucket and permits better distribution of bigger loads. Sprockets and chain tighteners are stronger. Steel front endgate strengthens entire box.

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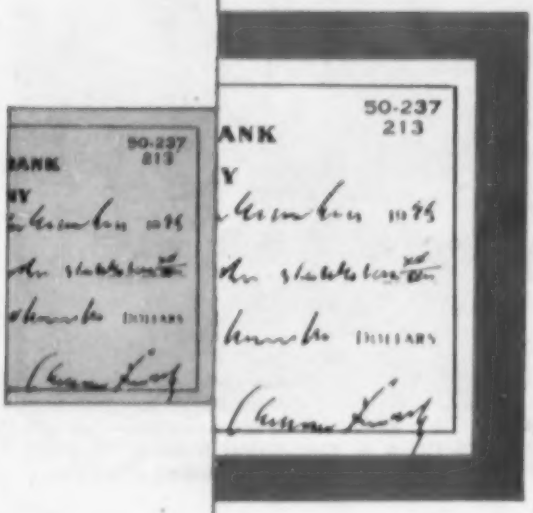

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You'll see for yourself . . . right on your own cows . . . that the De Laval milks faster, milks cleaner, is better liked by cows than any other milker you ever saw or heard of.

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If your seeding killed out . . .

. . . Here are some things that you can do to be sure than you have enough forage

HOT, dry weather last summer was hard on many spring seedings in southern Iowa and northern Missuori.

Red clover seedings seemed hardest hit. In some areas, few of them survived. Alfalfa fared better. More stands came thru and are ready to produce forage this year.

Most farmers who tried fall seedings had good luck. But relatively few made any attempt at fall seeding.

Big question now is what you do if your seeding doesn't look good. The answer depends partly on how much forage you need and when you need it.

Perhaps a good fertilizer program on old meadows can take care of your hay and pasture needs. In that case, you may want to tear up the seeding and shift to a row crop or start over on getting a stand.

If you were depending on new seedings for your forage supply, you have two choices. You can try to thicken the stand you did get. Or you can use substitute forage crops.

Let's take thickening stands first. Topdressing with fertilizer can help some. But it doesn't add more plants. It only gives more and faster growth on plants already started.

Here's what Harvey Thompson, Iowa State College agronomist, recommends for thickening spotty stands:

Drill a light seeding of oats into the thin spots. Then sow grass and legume seed on the same area. Follow with a roller to cover the seeds.

If you don't have a drill, broadcast the oats. Disk in lightly. A field cultivator or spring tooth harrow can do as well. Then sow the grass and legume seed. Cover with a roller.

Alfalfa will take more tearing up than the clovers. But the best bet is to do as little disking as possible and still cover most of the oats.

Make the seeding as soon as the danger of freeze damage is past.

If you have enough early pasture, take the first growth off as hay. Then keep animals out until the new grass and legume plants have made a good start.

New plants are not as resistant to grazing as established plants. So always leave some growth on the plants. Two inches of growth should be minimum, Thompson thinks.

You can't expect full forage yields from this combination. But it should give a good first cutting of hay. And some pasture—or maybe another hay crop—later on.

Lespedeza is a good legume to include in a mixture for this type of use. The rest of the mixture can be regular legumes and some timothy.

Now what about substitute forage crops?

You can get early pasture from oats. Seed early. Mud in if necessary. And use nitrogen for top production.

You can stretch the oat pasture later into the summer by adding Canada peas or rape. Use about a bushel and a half of peas per acre. Or about three pounds of rape. This should give an extra month of pasture.

Then the land can be prepared for fall seeding of grasses and legumes. For the southern half of Iowa and northern Missouri, seedings made about the middle of August have a good chance.

If you will need mid-summer and fall pasture, seed oats alone. The oats can be cut in the milk stage for hay. Or in the dough stage for silage.

Then seed sudan grass. Sudan gives high yields of good pasture from time plants are about 20 inches high until frost. Sudan can be used for hay. But heavy stems make it hard to cure.

If you need hay instead of late pasture, seed soybeans after the oats. They can go in as late as July 15. Earlier seeding is better, of course. Use one of the varieties recommended for grain.

Soybeans and sudan can be grown in a mixture for hay.

Millet can be used for an emergency hay crop. But it is not as palatable as most other hay crops.

Big thing is figure your needs now. Then make plans for taking care of them.

POOR MEMORY is the best help in making a man feel self-satisfied.—New Hampton Tribune.

Play It Safe!

If your circuit blows a fuse
Put a penny in it;
Don't bother then to clean the barn;
It'll burn down any minute.
—Beth Wilcoxson

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Nitrogen applied on 40 to 80 acres per day is easy work, when you apply ARCADIAN NITRANA® or URASOL® low-pressure Nitrogen Solutions with a simple tractor rig. It goes 2 to 4 inches into the soil, right where your crops can use it. All you add to your tractor is a tank with tubes leading behind cultivator or chisel teeth. With this simple equipment, you can apply NITRANA or URASOL before or after you plow, as side-dressing for corn and other crops.

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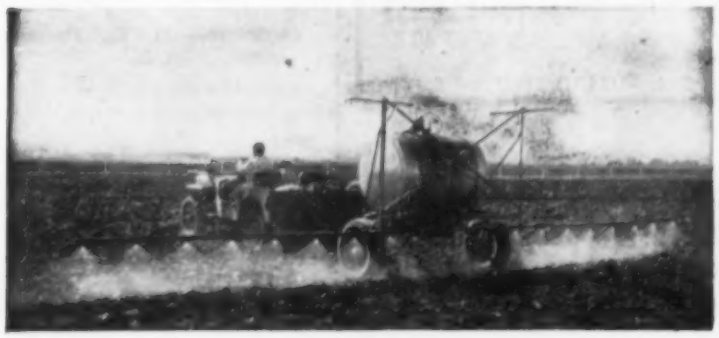

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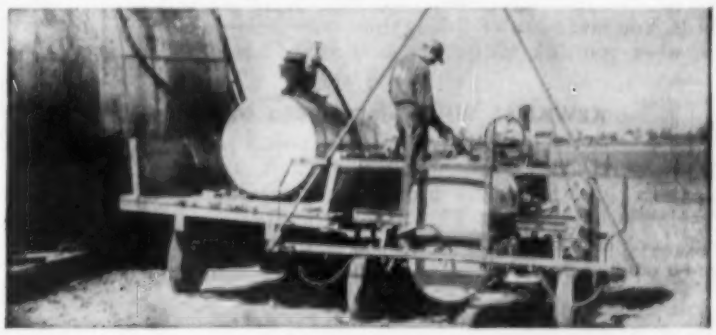

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URAN 32% Nitrogen Solution contains nitrate, ammonia and urea nitrogen to feed crops quickly and to last throughout the season.

FERAN 16% and 21% Nitrogen Solutions contain quick-acting nitrate and long-lasting ammonia nitrogen.

NITRANA Solutions range from 37 to 41% nitrogen in ammonia and nitrate form, the higher analysis for cold weather use.

URAN 32% Nitrogen Solution contains nitrate, ammonia and urea nitrogen to feed crops quickly and to last throughout the season.

FERAN 16% and 21% Nitrogen Solutions contain quick-acting nitrate and long-lasting ammonia nitrogen.

NITRANA Solutions range from 37 to 41% nitrogen in ammonia and nitrate form, the higher analysis for cold weather use.

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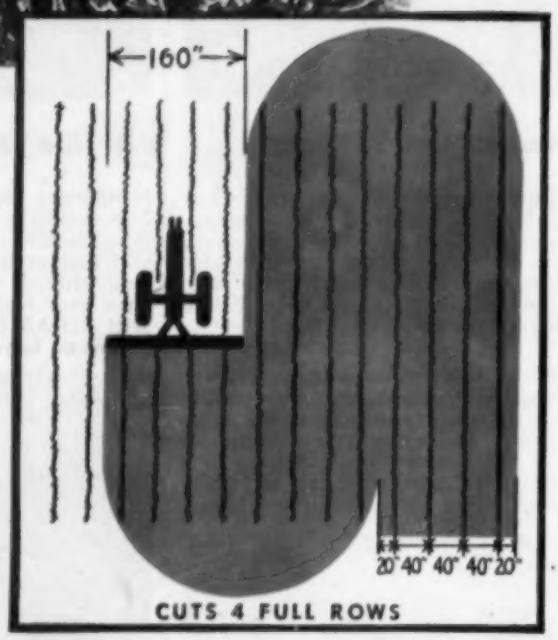
New Kewanee Disk Cuts a Full 160"—4 Rows



NEW KEWANEE MODEL 12 IS PERFECT FOR DISKING CORN AND OTHER ROW CROPS

One trip across a field of corn stalks or stubble with a KEWANEE WHEEL-MOUNTED DISK will convince you of the superiority of the KEWANEE over any other disk.

The KEWANEE, with its exclusive rigid-frame construction and fixed-angle gangs, tears out corn roots, levels the rows, shreds, and covers the stalks or stubble in one operation.

KEWANEE WHEEL-MOUNTED DISKS are heavy—rigid—stay in the ground . . . breaking up all types of soil into fine, level seed beds. You save hours of disking time—save fuel—save money, when you disk with a KEWANEE. Available in 5 other sizes.

A. 3 INCH, 6 POUND
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KEWANEE WHEEL-MOUNTED DISKS are built of heavy, 3 inch, 6 pound, steel channel. Heavy, welded frame stays rigid—disk blades stay in the ground, outperforming any other disk. Check the channel before you buy. Look for the heavy, 3 inch, 6 pound, channel. You will find it on the KEWANEE WHEEL-MOUNTED DISK.

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- Overlapping section joints make the KEWANEE grain tight.
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- Will not bend or sag under heavy loads.
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Kewanee puts farming on wheels.

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Service Bureau

If Someone Is Hurt On Your Farm

To the Editor: Would I be liable if someone came on my farm and was injured? —B. C., Lee County, Iowa.

The duty owed by the possessor of lands and premises to third parties when they come on his premises is generally divided into two parts, says the Service Bureau attorney.

To one class of persons known as social invitees, little or no duty is owed them by the possessor except to warn them of any unreasonable dangers such as traps, pitfalls.

Persons classed as business invitees, that is, persons coming on the premises for the mutual benefit of both parties, are owed a greater duty. This means that periodic inspections must be made by the possessor and any noticeable hazards must be corrected. If any hazard can't be corrected, visitors should be warned.

If you have special things about your premises that carry extreme danger with them, contact an attorney and find out what precautions you should take to protect yourself. You might also want to contact an insurance agent about a farm liability insurance policy.

Signs Letters To Service Bureau

To the Editor: I wrote you about three weeks ago about a drainage problem on my farm. I thought you would answer my letter in your Service Bureau column, so I didn't sign it except my initials. — H. K., Putnam county, Illinois.

In the Service Bureau column, we can use only a few of the letters we receive. However, all letters received are answered by mail.

Letters can not be answered unless the letter is signed and address given. Unsigned letters are not printed in the Service Bureau column.

"While you're giving thought to the Phantom Ranger riding his weary horse across the prairie, son, you might give some thought to the weary cows who have been trudging in from the pasture to be milked!"

"Believe me, that's the last time I'll ever go over and give Sam Hawks any advice on how to shear sheep."

How Divide A Line Fence?

To the Editor: What part of the fence between my farm and my neighbor's is my share to build and maintain?—N. C., Polk county, Iowa.

The law on fencing in Iowa is set out in chapter 113, Code of Iowa, 1954. The general requirement of this law is that all parties must share fairly the erection and maintenance of a proper fence.

Obviously, it would be unjust for the law to set out a specific length or percentage of length to be maintained by any of the parties since terrain and other conditions vary so widely. So it requires that each party take a fair share.

However, in the event that the parties can't agree, fence viewers are provided and they will make the decision for the parties, says the Service Bureau Attorney.

Died Without A Will

To the Editor: How is the estate of a deceased widower divided if he left no will? —C. W., Cherokee county, Iowa.

When this person died and left an estate but did not have a will, the expenses of the estate are paid first.

The remainder of the estate descends in equal shares to his children.

If one or more of the children are deceased, the heirs of the deceased child shall inherit his or her share in accordance with the rules prescribed in chapter 636.31, Code of Iowa, 1954, says the Service Bureau attorney.

Can He Clean Up Line Fence?

To the Editor: Do I have the right to clean out my end of a fence row if the brush is growing just over the fence on my neighbor's land? —W. M., Decatur county, Iowa.

The Service Bureau attorney says you have a right to trim all of the brush, trees and vegetation which grow on your neighbor's land but overhangs yours, to exactly the property division point.

But you do not have a right to clear out or kill the brush if it is on the fence line or on your neighbor's land unless you have his consent.

Kewanee puts farming on WHEELS

Folds Down to 7½' in Transport Position

Caster wheels allow sharp turns in close quarters. If you farm away from home, here's the big, one-man harrow you've always wanted. Easy to take through farm gates and over narrow country roads.

Easy to Ready for Harrowing

No tools are needed. Simply unclamp the crosspiece and easily roll the wings into position—spreading them out to 27½', 30', 33', 36', 38½' or 42' depending on whether you use five, six or seven 5½' or 6' sections.

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WHEEL-MOUNTED

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Most farmers have the tractor power to harrow 50% to 75% more ground at one time than they now harrow with their four section harrows. Now KEWANEE brings you a WHEEL-MOUNTED SPIKE-TOOTH HARROW that makes use of all your available power. You can do a better harrowing job with this harrow than with any four section harrow. The smooth, streamlined WHEEL-MOUNTED EVENER rides above the ground, it doesn't gouge or ball up. The harrow sections stay in the ground doing a better harrowing job than you've ever been able to do before. Available for five, six or seven sections, 5½' or 6' wide, making harrows 27½', 30', 33', 36', 38½' or 42'. Your present sections will fit this evener. Ask your KEWANEE dealer for a demonstration soon.

Kewanee MACHINERY & CONVEYOR CO., KEWANEE, ILLINOIS

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Just press the button on the VETSTREP Spray and zip . . . you've treated 100 birds in only 30 seconds. When C.R.D. strikes, VETSTREP Spray saves poultrymen time and labor, protects profits—avoids handling of birds.

VETSTREP Spray is highly effective; contains the powerful antibiotic, dihydrostreptomycin. Wheezing, coughing birds breathe the antibiotic spray deep into their lungs and air sacs.

Once inside the birds, VETSTREP Spray goes to work fast. Mortality drops sharply, usually within 24 hours; birds go back on feed, broilers maintain weight gains, and hens start producing eggs again. Most flocks need only one treatment and return to normal in four or five days.

VETSTREP GRANULES
knock out "NECRO" fast

Fast dissolving, low-cost VETSTREP Granules are for drinking-water use. Given at the first sign of diarrhea, VETSTREP Granules stop "necro" (swine enteritis) in one day in most cases. Unlike other antibiotics, VETSTREP stays in the infected intestines and exerts a powerful, continuous, germ-killing action that quickly gets results.

When C.R.D. or "necro" threatens your profits, use convenient, economical VETSTREP® Products. Ask your remedy or feed dealer, druggist or veterinarian about VETSTREP Spray and Granules today. And remember to consult your poultry pathologist or veterinarian for correct diagnosis of disease.

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RAHWAY, NEW JERSEY

"Bred sows at $10 apiece"

But this was back in 1890, as noted by Iowa farmer's diary

What was farming like in Iowa in 1890? Frank Clampitt of Hardin county, Iowa, farmed then and kept a diary. His son, Wendell S. Clampitt, quotes from it below. Farmers of today well remember the drouths of 1934 and 1936, but what about 1894?

I'VE just been reading from an old record book of my father's, started when he first began farming for himself in Hardin county on March 1, 1890. One can't help but note the contrast with our present farming conditions. For instance:

The fuel supply: On March 20 he notes that the wood supply for the season is secured—two cords of elm, bought of a neighbor, and 4½ cords of willow from the place.

The cattle feeding enterprise: Twenty two-year-old steers were bought in Hamilton county, some 20 miles away, at $22 per head. They were driven in a sleet storm to the scales, where they averaged 743½ pounds, thus figuring $2.96 per cwt. On March 9, 1891, (a year later) they were sold at $4.35 per cwt., when they averaged 1,276 pounds.

His comment: "Figuring corn at 40c, the price it has sold at most of the winter, and hay at $5 per ton, there is still a small profit, besides hog feed." (How many today would be content to feed $1.40 corn and get $15 for cattle—the same ratio?)

Father seemed to sense the disparity in feed and livestock prices at that time. On August 30, 1890, he attended T. C. Kersey's sale.

Corn in the field, "probably yielding 40 to 50 bu.," sold at $15 per acre. Sow pigs "weighing perhaps 75 pounds brought $5 to $5.50 each, and barrows $4.25 to $5; yearling steers $20.50 per head."

His diary comment: "With present low prices of beef and pork (hogs $3.50, cattle $3.75 to $4.25) and prospects for high priced corn, this young stock sold high."

Hog raising was not very profitable for father those early years. He bought a few bred sows at $10 each. A year later he comments: "Hogs have not done as well as I would like. They are quite uneven—a good many runts. Have fed them some corn besides that picked up after the cattle, but think more corn and better housing would have been an advantage." (No protein supplements, then.)

On May 10, 1893: "Sows commenced bringing pigs. Poor success. Twenty-two pigs from first nine sows. Many dead ones. Sows were on grass some two weeks before pigging."

Then in October: "Hogs died of cholera. Eleven left out of 40 head. Loss over $300."

The weather was a problem, then as now. On July 26, 1894: "Hot winds; 110 degrees in the shade. Corn fields ruined. No rain since June 20. Sixteen loads hay off ground that yielded 65 last year. Oat yield 20 bu."

And a September entry: "Cut up 14 acres of corn. Will yield 10 or 12 bu. per acre."

Even in good years, yields were hardly half what the same land is producing now.

In 1890, his corn yielded about 35 bushels per acre, oats 34 bushels by thresher measure. There follows a comment that the oat yield "varies a good deal seemingly on account of quality of soil or lay of land, but I think not much on account of kind of seed. Rich ground (recently in clover) yields more bushels by measure, but lighter."

The later years must have been better, or the rising price level helped. At least, before he quit farming in 1920, he'd been able to pay off the mortgage on the farm, raise a family of six, and pay the way of each thru at least two years of college.

On October 30, 1890, he commenced building a small house on an 80 of his own. "Estimated cost, $450."

On March 20, 1891, he writes: "First two coats plastering done on house." Then mentions building a "Stable intended as a shed on a future barn," a corncrib and a chicken house.

In those days, nobody had any leisure to worry about, even in winter. He concludes: "Have been at work on house and making such improvements as I could, when not caring for stock, all winter."

A September entry tells of taking three loads of cane to the mill. "It made 34½ gallons of sorghum, good quality. Allowing one-half for making up, the balance at 40c per gal. would be worth $6.90. Very good rent for the quarter acre of ground. The work stripping and cutting was about 1½ days. Cultivating, etc., was but little more than same amount of corn, and mostly done at noons and odd spells."

At noons and odd spells! And then we wonder why some of the pioneer farmers have had trouble knowing what to do with themselves when they couldn't work any more.

The editor will welcome extracts from diaries left by other farmers who kept a record of farming in the Corn Belt before 1900. In 1955, the centennial year of Wallaces' Farmer and Iowa Homestead, this paper will continue to pay special attention to farming in the early days.

Use good rations containing wide-range **AUREOMYCIN** *to help*

Prevent Enteritis

Grow *more* thrifty, *uniform* pigs *faster*

Keep giving your pigs *vigor* to withstand bacterial infections and stress periods! Prevent losses by starting, and *continuing*, your pigs on good rations that contain the antibiotic *proved* most effective for swine—AUREOMYCIN Chlortetracycline. This is today's best way to avoid runts—grow more uniform, quality pigs *faster*—make greater hog profits. Talk to your feed dealer or mixer. Let him advise you on an AUREOMYCIN feeding program that suits your needs.

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An outstanding development of Smith-Douglass Research. Pelleform is made up of uniform, shot-like pellets; each contains the same complete, balanced ration of plant foods. It is high analysis fertilizer, which means you handle fewer bags, and at less cost, per pound of plant food. Thoroughly conditioned, Pelleform stores well; will not cake in the bag. There's no dust, waste or foliage burn.

S-D Mellow-Aged fertilizers are dry, free-flowing, and easy spreading with standard equipment. Blended, cured, easy-to-apply nutrients are quickly available. Balanced plant foods, thoroughly mixed in controlled temperature and moisture, are stored several weeks while the chemical changes are completed. Then they are remilled and bagged. That's the S-D Mellow Ageing process. All S-D fertilizers are Mellow-Aged.

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- √ Available in wide choice of grades
- √ Feeds through clean

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In 1955, for bigger yields . . . more profit per acre . . . feed your crops with Smith-Douglass fertilizers. Your S-D dealer has or can get the exact analysis you prefer. To avoid disappointment later, see him and take delivery now!

SMITH-DOUGLASS CO., Inc.
MID-WEST DIVISION
STREATOR, ILLINOIS ALBERT LEA, MINN

Extra care can really pay off for you at lambing time. It helps you wind up with more lambs saved and fewer orphans for bottle feeding.

Fewer orphans at lambing time

Here are tips on how to have fewer orphans by an Iowa State College sheep specialist

BEST thing to do about orphan lambs is to avoid having them.

A little extra care for ewes about lambing time is the answer, thinks Eugene Francis, Iowa State College sheep specialist.

He places most of the blame for orphan lambs on four things:

1. Improper feeding. Ewes must produce milk to raise lambs. Milk production depends largely on what you feed your ewes. Of course, you can select for heavy milking mothers.

About a month before lambing, ewes should get a half to three-fourths pound of grain per day in addition to good legume hay. Best grain mixture is six parts whole oats, three parts shelled corn and one part protein concentrate.

A mixture of half whole oats and half shelled corn is almost as good.

2. Lack of attention. The flock needs to be checked often at lambing time—both day and night. If the flock is large, ewes which will be first to lamb should be separated from the rest.

After the lamb is born, see that it gets some milk as soon as possible. Strong lambs seldom need attention except to see that its mother's teats are unplugged and that milk is flowing.

If the mother doesn't have milk right away, let the lamb nurse another ewe for its first meal.

Colostrum (first milk) is essential in giving a lamb the proper start. This first milk is high in vitamin, protein and antibiotics.

Some farmers even milk colostrum from ewes that lost their lambs and freeze it for later use with orphans. Colostrum from fresh cows will do about as well.

3. Shortage of lambing pens. When a ewe shows signs of lambing, she should be placed in a lambing pen. Or if she lambs with the flock, she and the lamb should be moved to the pen.

Lambing pens help reduce the number of unclaimed lambs. When lamb and ewe are in a separate pen, it is easier to notice any unusual condition that needs attention.

Lambing pens can be made from panels about 30 inches high and four feet long. Connect two panels by hinges for easiest handling.

4. Lack of patience. Making a ewe claim a lamb can take real patience. Try putting the two in a pen with the ewe haltered and tied so the lamb can nurse. You may even have to hold the ewe the first few times.

A ewe identifies her own lamb by smell. So sprinkling some of the ewe's milk on her own nose and on the lamb may help.

Sometimes an orphan can be given to a ewe that has lost her lamb by skinning the dead lamb and putting the pelt on the orphan for a few days.

If everything else fails, you can feed the lamb whole cow's milk. Use a bottle with a nipple. Don't dilute the milk. Cow's milk is normally lower in both fats and solids than ewe's milk.

The secret of starting baby lambs on hand feeding is to give small amounts of milk frequently. For the first day, about two tablespoons of milk every two or three hours is enough.

As the lamb gets older, both amount of milk and time between feedings can be increased. After 10 days, three feedings a day are enough.

More people get into trouble by overfeeding than by under feeding, Francis warns.

It is important to keep bottles and nipples clean, too.

Encourage the orphan to eat grain as soon as possible. Best bet is to let him run to a creep with other lambs.

PREJUDICE MEANS being down on something you aren't up on.—Oakland Acorn.

IN every agricultural community, the outstanding ability of John Deere "40" Tractors to get work done at low cost is helping farms to "go places."

If you have felt that *your* farming operation is stalemated, bogged down, your costs too high, here's a tip—see your John Deere dealer and find out what one of these handy, flexible, powerful, yet economical John Deere Tractors can mean to you in your farming operations.

Best way to get the complete story is to *take the wheel and drive* . . . experience the ease of handling . . . the ease of changing tools on the standard 3-point hitch . . . the extra comfort provided for the operator, sitting or standing . . . the automatic action of the Load-and-Depth Control . . . the quick, effective response of the independent, self-energizing brakes . . . and, best of all, the effortless Touch-o-matic hydraulic implement control (rockshaft regular, and new double-acting remote cylinder extra).

Remember—in choosing *your* new tractor, it's *performance with economy* that counts . . . and that's where all John Deere Tractors speak for themselves.

Remember, too, that when you choose a John Deere Tractor for your working partner, you can get just the matched equipment you need at any time during the tractor's long life . . . all built to the unwavering John Deere standard of quality.

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Plus many items of equipment made by other manufacturers which have been tested and cleared for use with "40" Tractors.

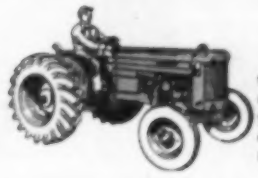
Choose the "40" That Fits Your Needs Exactly

TRICYCLE

The two-row general-purpose tractor for all-around farm work. Dual wheels, single front wheel, wide front axle interchangeable.

STANDARD

The two-plow general-purpose tractor for all tillage jobs, mowing, hauling, and ONE-ROW PLANTING AND CULTIVATING.



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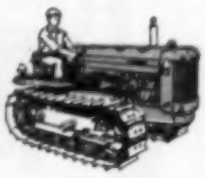
A versatile, low-built tractor for field, grove, orchard, berry, and vineyard work. Very stable on hillside work. Wide range of wheel treads.



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Can you spot the BIG LOSER on this scorecard?

Look closely—it's YOU!

Most of the things you enjoy in your daily life—your home, your car, your clothes, the food you eat — are available to you in such quantity because America enjoys the world's greatest system of mass transportation. And the better that system works, the better for *you*.

But when that system is not permitted to work at its best, it is *your* loss.

As you can see from this scorecard, only the railroads among these transportation agencies are meeting all their true costs without help from tax money.

And yet, railroads are subject to such laws and regulations, both in their rates and in their services, that they are not allowed to compete with other forms of transportation on an equal basis.

This costs *you* money in two ways — in higher taxes and in higher *real* costs of transportation.

You can help get lower *real* costs — and lower taxes, too — by supporting measures, state and national, which will put all forms of transportation on an equal basis—and which will give America's railroads freedom to compete.

Association of American Railroads
WASHINGTON 6, D. C.

Iowa M.D.'s Say . . .

Here are symptoms of common childhood diseases

"MOTHER, I don't feel good. I just feel bad all over!" How many times has a complaint like this warned you that your child may be coming down with some disease?

Almost all diseases develop in certain ways. They produce signs and symptoms that help identify the disease.

Symptoms include such complaints as headache, fever, nausea, vomiting, sore throat, stiffness of the neck and difficulty in breathing.

The signs of a disease are the things which the parents or doctor see in the patient. For example, in German measles, the patient may not complain about enlarged nodes behind the ear. The patient may not know they are enlarged. Nevertheless, the doctor looks for them as a sign of the disease.

Measles usually begins with what appears to be a severe cold, and the youngster may have a harsh cough. There is a fever and discharge from the nose. The eyes become red and watery. About three or four days after the beginning of what was thought to be the cold, a blotchy rash appears.

Whooping cough usually begins with a severe cough which increases in frequency and severity. In about two weeks, the typical whoop can be expected to develop. The coughing spasms often end in vomiting. Fever, severe body discomfort and nausea accompany the disease.

Chickenpox comes on gradually. The symptoms may be so mild that the parents may not realize the child has chickenpox until the lesions appear. There may be low fever and some feeling of body discomfort. The child may become inactive. The eruptions usually appear in crops covering a three-day period.

If the lesions are not numerous they may be found chiefly on the chest and back. A child who has a good case of chickenpox may have the lesions scattered all over his body.

Mumps usually begin with some degree of swelling in one or more of the salivary glands. Other glands may be involved. There is usually some fever accompanying the illness. The swelling of the salivary glands will cause stiffness of the jaws and difficulty in eating.

Scarlet fever usually has a sudden onset with vomiting, headache, fever, sore throat and stiff neck. A rash appears and descends downward from the neck over the trunk and extremities. Between the areas of rash, the skin will be flushed and pink. The throat will be beefy red. The little bumps on the tongue will become enlarged and reddened.

Diphtheria may start in such a manner that the parents think the child has "croup." There is a low fever, severe sore throat, lack of appetite, and the patient appears to be acutely ill. The doctor will frequently find a grayish or grayish white patch on the tonsils or palate. Discharges from the nose may be blood tinged.

Polio cases that are severe enough to come under the physician's attention usually have most of the following signs and symptoms: The patient appears apprehensive. His disposition changes somewhat. There is fever, nausea, vomiting, severe headache, stiffness of the spine and neck, and muscle tenderness. The stiffness of the neck develops early, and the child is not able to push his chin downward to meet his collar bone. Paralysis or muscle weakness may appear at any time from the onset of the symptoms to three or four days after. It may even be several weeks after the beginning of the illness.

The parent who is acquainted with symptoms will be more aware that his child is developing a communicable disease. However, remember that if medication is given early, many of the typical signs and symptoms of the disease may never be present.

Articles in this series are prepared by members of the Health Education Committee of the Iowa State Medical Society.

"There it is, fellows. A bucket full with boxing gloves on. That'll be $2 each."

Now one field gives a cash crop and green manure all in one year!

DOUBLE-DUTY FIELD. Emil C. Erickson and his son Clarence inspect Terra Verde Brand Alfalfa plants during fall plowing. "I cut wheat from this field the last of July," says Erickson. "In spite of dry weather after harvest, this alfalfa came right along. In October, top growth was 24 to 30 inches and I cut a hay crop that went about 20 bales to the acre. You can see I still had a good crop to plow down after frost hit."

"BEST GREEN MANURE EVER." That's Emil C. Erickson's claim for his Terra Verde Brand Alfalfa. "Even with a light seeding rate of only 6 pounds per acre, this alfalfa gave us a perfect stand. Roots on these healthy plants have gone down over 30 inches. That's why I'm sold on Terra Verde Brand as being by far the best green manure crop I've ever used. It worked so well for me, I plan to seed twice the acreage in 1955."

KEN ERICKSON REPORTS YIELD BOOSTS WHEN CORN FOLLOWS TERRA VERDE BRAND

KEN ERICKSON

Time and again when I visit with farmers in this area, I get the same story from users of Terra Verde Brand Alfalfa. They tell me, "Ken, I didn't realize what a profitable crop this alfalfa really is until I followed up with a planting of corn." And it's true—the great value of Terra Verde Brand Alfalfa, used as a green manure plow-down crop, shows up best in crops that follow. Depending on the original fertility level of your fields, you're likely to see corn yields increase from 5 to as much as 30 bushels per acre the year after a field's been in Terra Verde Brand. I suggest you seed this new Northrup King development this spring. It pays.

Listen to Ken on these radio stations:

WCCO	— Minneapolis, Minn.	7:00 to 7:15 A.M.	Monday through Saturday
WDAY	— Fargo, N. D.	6:30 to 6:45 A.M.	Monday through Friday
WMT	— Cedar Rapids, Iowa	12:15 to 12:30 P.M.	Tuesday, Thursday, Saturday
		12:30 to 12:45 P.M.	Saturday
KICD	— Spencer, Iowa	6:15 to 6:30 A.M.	Monday through Friday
WEAU	— Eau Claire, Wis.	6:15 to 6:30 A.M.	Monday, Wednesday, Friday
WKOW	— Madison, Wis.	6:30 to 6:45 A.M.	Monday through Friday
WBAY	— Green Bay, Wis.	6:30 to 6:45 A.M.	Monday through Friday
WNAX	— Yankton, S. D.	6:30 to 6:45 A.M.	Monday, Wednesday, Friday
		6:15 to 6:30 P.M.	Saturday

Land improved while cash crop grows with new TERRA VERDE BRAND ALFALFA

WATERLOO, IOWA—For top production from every field every year, many farmers claim that new Terra Verde Brand Alfalfa is the answer. Seeded with small grains in the spring, this blend of non-hardy, rapid-growing alfalfa strains does much more than add good supplies of nitrogen to the soil. In addition, Terra Verde Brand Alfalfa helps control erosion, improve aeration, increase water-holding capacity and improve internal drainage.

Developed by Northrup King through years of research, this blend of special non-hardy alfalfa strains is intended primarily for a green manure plow-down crop. Thus fullest benefit is gained when Terre Verde Brand is grown with small grain—on those acres where hay and pasture crops of hardy legumes are not needed. Used in this manner, your land does double-duty. You get both a cash crop and a soil-improving green manure in the same year.

Plowing down a full stand of Terre Verde Brand Alfalfa, either in the fall or spring after one year's growth, adds the fertility needed to boost yields from crops that follow. So to keep your land producing at its fullest, make sure you seed Terra Verde Brand Alfalfa. You'll agree, it's the finest green manure crop you've ever grown. See your local Northrup King dealer now.

How TERRA VERDE BRAND ALFALFA builds soil fertility, improves tilth

Fast growth, deep roots, heavy tops
make ideal crop for plow-down green manure

1. SPECIALLY SELECTED STRAINS. Non-hardy alfalfa strains best suited for green manure purposes have been chosen by Northrup King agronomists. These carefully selected alfalfas are blended to give you a superior product developed for one specific purpose: for use as a one-year plow-down crop.

2. RAPID SUMMER GROWTH. The non-hardy alfalfas blended together in Terra Verde Brand show their most rapid growth during the hotter, dryer months of mid-summer and fall. Thus after the small grain companion crop is harvested, Terra Verde Brand Alfalfa shoots up fast. The vigorous plants keep growing steadily right up to frost . . . giving a full, lush growth for plow-down.

3. DEEP ROOT SYSTEM. Terra Verde Brand roots, piercing down through the soil three feet and more, break up hard pan, open up pore spaces, allow your soil to "breathe" better . . . improve the soil's physical quality.

4. NITROGEN SUPPLY. Plowing down a full stand of Terra Verde Brand Alfalfa after one year's growth, adds the equivalent of 40 to 80 pounds of nitrogen per acre to your field. Just as important, the heavy top and root growth adds loads of organic matter to help keep the top soil in good tilth. Two reasons why following crops show such profitable increases in yield.

HERE'S THE SECRET!

Note the deep, dense root structure of Terra Verde Brand Alfalfa plants. Note also the healthy, heavy top growth. Two good reasons why new Terra Verde Brand Alfalfa gives your soil so much nitrogen, so much organic matter. This year get double-duty from the fields you don't need for pasture or hay. Seed Terra Verde Brand Alfalfa with your small grains. You'll be paid back with bigger yields from following crops. *Only* your Northrup King dealer can supply you with new Terra Verde Brand Alfalfa. See him now.

GET MORE FROM EACH ACRE WITH

TERRA VERDE
BRAND
ALFALFA

Another quality product of
NORTHRUP KING NK

Minneapolis, Moorhead, Minn., Madison, Wis., Waterloo, Ia.

Another QUONSET® *FIRST* for farmers!

The ALL-NEW RIGID-FRAME 28

A straight-sidewall addition to the famous Quonset line, engineered specifically for farm use.

Check these important features of the RIGID-FRAME 28 Quonset building.

Louver—A 37" x 14" steel louver is supplied as standard equipment in endwalls with 14' x 13'-6" door, and in solid endwalls.

Sliding Doors—Two sizes of sliding steel doors are available—the 14' x 13'-6" sliding door for use in endwalls, and the 20' x 12' sliding door for sidewalls.

Walk Door—A 3'-6" x 7' swing steel walk door is available for use in either endwalls or sidewalls.

Windows—Four-light windows are available for both endwall and sidewall installations.

Post-Free Interior—Sliding sidewall and endwall doors offer maximum maneuverability of farm equipment.

Skylighting—Corrugated translucent plastic roof panel. Several colors are available.

Roof Ventilation—20" galvanized steel roof ventilators with dampers are available as an accessory.

Paint—Quon-Kote paint, specially formulated for use with galvanized steel, is available in any of five harmonizing colors.

Insulation—The RF-28 can be insulated economically with either board, blanket or bat type material.

Unique Nailable Framing Members—Nails driven through collateral material into the nailing groove are deformed and clinched in a grip of steel—much stronger than the holding power of conventional materials.

Erection—Pre-cut to exact lengths punched for assembly with self-threading screws means minimum erection time. Either complete erection service or erection supervision is available through your Quonset dealer.

"Seal of Quality"—26-gauge steel sheets, galvanized with 2-oz. zinc coating for longer life and greater corrosion resistance.

Floor—Building is designed with piers for dirt floor, but plans are provided for partial or complete concrete floor if desired. The RF-28, and all buildings in the Quonset line for farm use, are easily financed on the Quonset Purchase Plan. See your Quonset Dealer.

Post-free interior and large, easy-to-slide doors in end and sides make the Rigid-Frame 28 ideal for efficient farm machinery storage. The enclosed end can be insulated to provide a complete farm shop.

A completely insulated handy farm shop such as this makes machinery maintenance and repair a comfortable job any time of the year. A 20-foot door in the shop sidewall admits even the widest machinery.

An economical hay storage and self feeding barn which serves as additional shelter as cows eat their way in. This adaptation of the Rigid-Frame 28 also provides extra machinery storage or utility space.

Used as a loose-housing barn, the Rigid-Frame 28 is roomy, and its post-free interior makes it easy to clean with power equipment. One end can be enclosed and insulated as a milking parlor and milk house.

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by
Francis T. Kutish

Soybeans headed for storage. Scene is in Calhoun county, Iowa, grain elevator.

When to sell soybeans?

Full seasonal price rise unlikely. Best bet: Catch market bulges

LOTS of farmers own soybeans this winter. They are wondering when to sell.

Unfortunately, unlike a year ago, there is no clear answer. Farmers themselves hold a big part of the answer to how soybean prices act the rest of this winter and spring.

On January 1, 1955, farmers still held a large share of last year's bumper 343 million bushel soybean crop. The 150 million bushels on their own farms was almost double both a year ago and two years ago.

Farmers also owned some of the beans stored in interior mills and elevators. Stocks there totaled 58 million bushels — up 21 million from a year ago.

Another 45 million bushels of beans were at processing plants. But that's down 14 million bushels from last year. And it's well below figures for the three years before that. Terminal elevators likewise were down on bean holdings.

Soybeans were crushed at a rapid rate last fall. Crushings totaled 65 million bushels. This is above average for the October-December period. Exports during this same period were a new record — 28 million bushels.

The unknown question is whether farmers will sell their beans fast enough to give industries all the soybean products they need — or whether the smaller amounts of soybeans held by processing plants will create an active demand for soybeans — or whether farmers will dump their beans in a big rush this winter or spring and break the bean market.

Soybean prices held up better than expected last fall — due mainly to the strung-out combining period over the corn belt, caused by poor weather. But beans have averaged well below a year earlier in price.

The reason: Lower soybean meal prices. And a wider margin between the price paid farmers for soybeans and the market price obtained for the oil and meal obtained from a bushel of beans.

Soybean oil was selling in mid-February about the same as a year earlier. But the price on soybean oilmeal was down sharply. About $12 to $15 below the middle of February, 1954.

Last year, soybean oil prices rose in the summer—due mainly to the tightening supply of cottonsed oil. At present the "cottonseed package" is selling above support price. So while soybean oil may rise some this year, it isn't likely to equal last year's climb. A one cent rise will add about a dime to the value of a bushel of beans.

The big difference is in bean meal. Last year, meal prices shot up 25 percent from winter into mid-summer. Supplies are much more ample this year.

The USDA says flatly that no sharp change in soybean meal prices is likely. In fact, meal could work lower this summer with good weather.

Meanwhile, with beans readily available last fall, the processing margin widened. Competition for beans from the small 1953 bean crop resulted in very narrow margins last winter.

Processors averaged 23 cents margin between market price of oil and meal obtained from a bushel of beans and cost of those beans during the first four months of the crushing season. A year earlier, the figure was 15 cents. Thus, the farmer's share of the product value has shrunk.

Pull it all together, and you come out with an uncertain soybean outlook for the next few months. Soybean prices are not likely to show their usual seasonal price rise this spring and summer. They will vary from time to time depending how fast farmers feed their supply to market—and the price changes in soybean meal and oil. Best bet is to watch the market closely, and try to sell beans on these bulges.

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You get more for your money — more for your chicks when you buy and feed Foxbilt "SUPER CHICK" Starter. You'll need only about 4 lbs. of "SUPER CHICK" Starter per chick for the 6-week starting period — which will cost you about 3c a week per chick.

You'll get amazing livability and excellent feed conversion to give you big, husky chicks at the end of six weeks. This is the same starter used by Ames In-Cross in starting over a million chicks a year. If you prefer, you can get the same "SUPER CHICK" results by mixing Foxbilt Chictrate and your own grain.

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YOU WANT roofing and siding material that combines maximum fire and lightning protection with wind, rain and corrosion protection; sheets that are moderately priced, easy to install, and—above all—economical to maintain. In short, you want USS StormSeal, the roofing and siding that gives you *all-weather* protection while reducing your fire insurance and general farm upkeep.

StormSeal is available in both the standard galvanized coating, and the extra-heavy, extra long life *Seal of Quality* coating. Your StormSeal dealer handles a complete line of accessories, to give your installation a "custom-fit" look.

Visit your StormSeal dealer soon, and look for these five distinctive features, available *only* in StormSeal:

1. **Pressure Lip**—slight depression in lower end of sheet for pressure contact between overlapping sheets at end laps.
2. **Triple Cross Crimp**—three dams to stop rain from being blown under end laps, or drawn in by capillary action.
3. **Twin Drain**—double safety drains—double insurance. They trap any moisture that might get into lap areas and drain it off.
4. **Flat Top Seams**—make nailing easy.
5. **Tension Curve**—slight arch to each sheet makes it fit snugly to roof decking.

In addition to StormSeal, U.S. Steel makes top-quality 1¼" and 2½" corrugated and 5-V Crimp Sheets for roofing and siding, available in both standard galvanized and Seal of Quality coatings.

USS Formed Roofing and Siding products are made from steel sheets coated with a certified, uniform, protective zinc coating, produced in accordance with American Society for Testing Materials Specification ASTM A-361.

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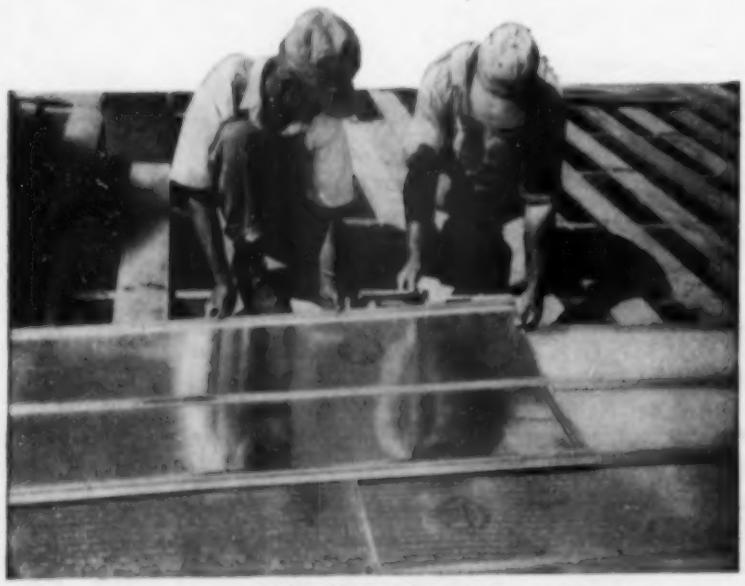


USS STORM SEAL

UNITED STATES STEEL

Working together during more than 50 years of married life has brought lots of satisfaction to Mr. and Mrs. W. H. Davidson of Cerro Gordo county, Iowa. They're members of the North Iowa Golden Wedding Jubilee Club.

Married—for a long time!

WE hear much about the alarming divorce rate. But many of our people do stay married for a long time. And here in northern Iowa, we have an organization to prove it.

The North Iowa Golden Wedding Jubilee Club was organized in 1938. Only couples that have celebrated their golden wedding anniversaries are eligible for membership.

The club now has 270 members. And the majority of these people have been farmers or persons engaged in business connected with farming. A few still are actively farming.

Ages within the group range from 69 to past 90 years. Two couples attending a recent meeting had passed their 62nd anniversaries.

Members of the club live in Winnebago, Worth, Mitchell, Floyd, Cerro Gordo, Hancock and Franklin counties in Iowa. A few members come from southern Minnesota.

The club meets every three months. A dinner is followed by a program and business meeting.

How very much these folks enjoy the get-togethers! This is their club—not something younger folks have taken over. The enthusiasm, wit, consideration and love for fellow members demonstrated at these meetings show why these folks has been able and willing to live with the same mate for over 50 years.—Mrs. Virgil Evans, Cerro Gordo county, Iowa.

Golden Wedding Club meets for dinner and visiting once every three months. Seated at head table during recent meeting are (from the left) Mr. and Mrs. E. P. Dow, Mrs. W. R. Noland and Nate Miller, president of the club. Mr. and Mrs. Dow are charter members of the club.

WHEN IS A STEER LIKE A "WHITE ELEPHANT"?

. . . when his selling price won't return to you his cost of production. Declining demand and falling markets have been known to turn a lot of steers into "white elephants."

It is our job to provide the best market we can for this beef on the hoof. This helps to assure fair returns to livestock producers and a steady, dependable supply of meat to consumers.

Getting consumers to *want* more meat is our common interest.

And that's an important objective of Swift & Company especially during 1955, our Centennial year. We're putting the biggest promotion in our history behind the *idea* of getting more people to want more meat.

During our Centennial, we're sending out stage shows, movies, and a wide variety of special promotions to get people to buy meat. We're putting on meat Cooking Schools throughout the country, throughout the year. We'll be selling meat—your cattle and hogs and lambs.

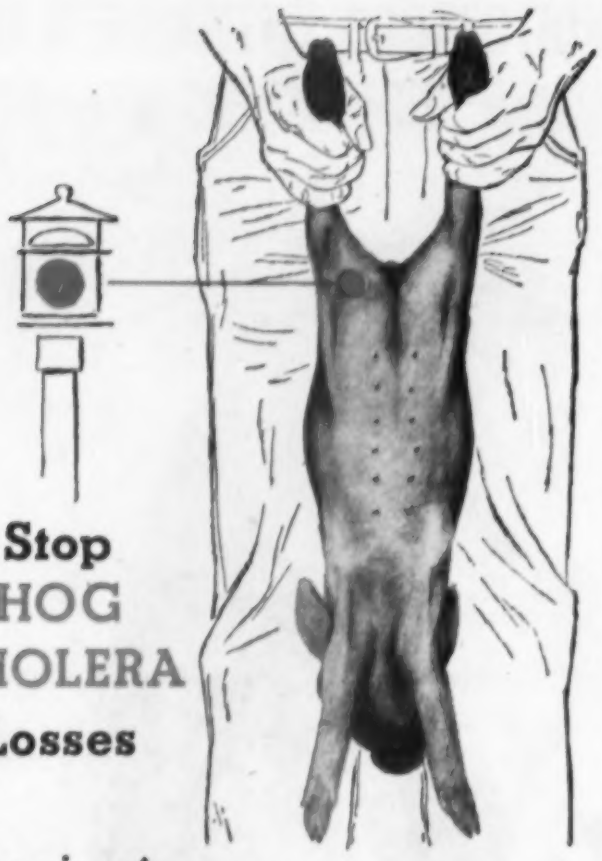
You'll see plenty of evidence of this in your home territory. (Maybe your family will want to buy more!) Most important, you'll benefit from this stepped up meat selling program.

This extra sales drive is just plain good business—for us and for you. We can't think of a better way to celebrate an anniversary. We hope this will be a good year for all of us.

Agricultural Research Department
SWIFT & COMPANY • UNION STOCK YARDS • CHICAGO

Swift
1855 CENTENNIAL 1955
TO SERVE YOUR FAMILY BETTER

Just 100 years ago G. F. Swift bought a heifer, dressed it and sold the meat—starting the business that is now Swift & Company. 1955, our Centennial year, symbolizes the progress and experience of a century of operation. More important, it emphasizes how Swift is looking ahead to serve farmers and ranchers even better during the second hundred years.



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Stop hog cholera losses before they start. Give your hogs safe, dependable immunity against this costly disease.

ROVAC is your best protection against hog cholera. ROVAC assures immunity—and cannot cause the disease.

Prevent hog cholera from starting in your hogs. Have the best available insurance against the heavy profit losses that hog cholera often causes. Use ROVAC.

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Erysipelas is another widespread swine disease that causes heavy death and profit losses. Vaccinate against erysipelas with DUOVAX for dependable immunity. Only one injection required. DUOVAX requires no antiserum. *Cannot spread or produce erysipelas.*

*Hog Cholera Vaccine (Modified Live Virus) Rabbit Origin-Vacuum Dried ROVAC® U. S. Pat. No. 2,518,978.

**Erysipelas Bacterin DUOVAX®—Whole Killed Culture—*Erysipelothrix rhusiopathiae*—Aluminum Hydroxide Adsorbed and Concentrated Lederle.

Advantages of ROVAC

- Single injection in healthy pigs gives at least two years' immunity.
- ROVAC cannot cause hog cholera. Serum is not required with ROVAC for pigs not exposed to hog cholera before ROVAC-induced immunity can be established.
- ROVAC can be used with serum if immediate immunity against hog cholera is required. *Immunity induced by ROVAC will not be affected.*
- ROVAC saves time, money and labor.

"Protect your Pigs... and you Protect your Profits!"

Lederle

LEDERLE LABORATORIES DIVISION

Pearl River — AMERICAN Cyanamid COMPANY — New York

Tax questions from farmers

Does tiling get fast depreciation? How change accrual to cash basis?

To the Editor: They tell me cost of tiling is not deductible as a soil and water conservation expense. Can it then be depreciated under that new fast depreciation rule?—J.C., Floyd county, Iowa.

Tiling that was done in 1954 can be depreciated under the new fast depreciation rules. But you can't adopt the new depreciation for older tiling systems.

You can use either the declining balance method or the sum-of-the-digits method. Either one allows about twice as much depreciation the first year as the old straight line method. These depreciation methods are described in the farm record and tax book described below.

To the Editor: Every time I ask about changing from the accrual to the cash basis for reporting income taxes, they tell me it's too late for this year. When can the shift be made?—H.W., Nodaway county, Missouri.

If you want to change either way in method of reporting, write to the Commissioner of Internal Revenue, Washington, D. C. Be sure the letter reaches him before April 1, if you are on a calendar year basis.

If the request is granted, or if you still want to make the change after you get the terms under which they will allow you to change, then you can make your return next January on the new basis.

In changing from the cash to the accrual basis, there is often an argument about allowing the opening inventory as a deduction. But this particular difficulty would not appear when changing from accrual to cash basis.

An adjustment and extra tax may be required, however. How much is dependent on each individual case.

To the Editor: I have followed the rule and reported patronage dividends as income when I received the letter of advice that such dividends were declared. If such dividends should never be paid, would there be a way to get the tax refunded?—J.D., Palo Alto county, Iowa.

In such a case, the unpaid patronage dividend should be listed on your tax return and deducted as a bad debt. But first be sure on these points:

You must have reported the patronage dividend as income, and you must have proof that the dividend will not be paid in cash or anything else of value.

Bad debt deductions are allowable in the year in which they are definitely found to be uncollectible.

Our New Record Book

Saves Taxes, Time and Money

Jack Miller is the author of the "Farmers Tax Saver." Mr. Miller is a tax specialist with law offices in Sioux City, Iowa, and Omaha, Nebraska. He has been with the Internal Revenue Bureau. And is past chairman of the American Bar Association's Committee on Tax Problems of Farmers.

HERE'S HOW FARMERS TAX SAVER CAN HELP YOU

1. **Provides 22 pages for writing down farm receipts and expenses. Special sections for information required in new tax law.**
2. **Tells you what's taxable, what's deductible. Over 40 pages of income tax explanations.**

AND HERE'S HOW YOU CAN GET YOUR COPY OF FARMERS INCOME TAX SAVER

Send $1 to Income Tax Editor, Wallaces' Farmer and Iowa Homestead, 1912 Grand Avenue, Des Moines, Iowa. Order today. Your copy will be mailed postage free.

What'll they dream up next?

If it goes with the help of gears—your best protection is Mobilube Gear Lubricants

No matter how advanced the farm machine, it takes gears to make it go . . . and there's no better protection for them than Mobilube Gear Lubricants. These specially designed lubricants protect under the shock loads and grueling operation of transmission and other gear sets . . . form a tough film between meshing surfaces, assure top protection and minimum power loss. Your Mobilgas-Mobiloil man can supply you with Mobilube for gears — plus a complete line of other field-proved fuels and lubricants. He'll deliver right to your door.

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KILLS Rootworms and Saves Corn...

Gives IOWA FARMERS Up To 47 *More Bushels* Of Corn Per Acre!

That's why more and more farmers in major corn growing areas will be using Heptachlor this season. You can control corn rootworms with a single application of Heptachlor applied before or at planting time. Then you can grow corn year after year on the same land without danger of "yield-decreasing" corn rootworm damage. Heptachlor also prevents serious damage caused by wireworms, seed corn maggots, cutworms and white grubs. All Corn-Belt State and Federal Experiment Stations recommend Heptachlor. Ask your insecticide dealer now about highly effective, proven Heptachlor, or order Heptachlor mixed with fertilizer!

HEPTACHLOR MAKES THE DIFFERENCE

Corn rootworms attack corn by cutting off roots, like the plant at the left. This reduced root growth stunts corn, reduces yield and weakens the stalks, causing lodging. A single application of Heptachlor effectively controls corn rootworms, and results in healthy, vigorous root systems, like that on the right. That's why more farmers switch to Heptachlor.

Profit More with HEPTACHLOR

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Please send me my FREE copy of "Heptachlor Kills Corn Rootworms" (#503-1) that tells me how I can make up to 47 more bushels per acre.

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VELSICOL
PRODUCTS DERIVED FROM CHEMICALS SERVING BASIC INDUSTRIES

More than cleanliness is involved when you wash a cow's udder with warm water. The warmth and massaging stimulate milk flow. Speed up milking time. Pictured is Richard Moen of Howard county, Iowa.

Milk cows faster?

It saves time, avoids teat damage. And it may help you get more milk

HOW long should you leave the milking machine on a cow?

"That depends on the cow," answers Art Gerlach of Mitchell county, Iowa. "Some cows milk out pretty fast. Others take longer. You need to know your cows," he explains.

"But don't leave the machine on after the cow's thru," Gerlach cautions. "Not only is it likely to damage teats, it'll get her into the habit of dribbling along."

Gerlach's remarks underline one of the important facts of good milking. By leaving the milking machine on the cow too long, you risk teat damage, waste time and get less milk in the long run.

Research shows that a hormone produced in the cow's pituitary gland stimulates milk flow. But the hormone works for only a few minutes. Fast milking takes advantage of that stimulation.

Cows can be trained to milk out fast by getting that machine off right away. Most cows can be milked out in three minutes. And you can get all the milk.

If you let the machine suck on a dry teat, inner walls of the teat are rubbed together. That can cause damage that isn't easy to clear up.

Another big point in milking is getting the cow ready.

Wash the udder with warm water. That stimulates the milk-forcing hormones into action.

The time element is important when you're doing this job. You can't go down the line and wash a bunch of cows ahead of time. Do that, and the stimulation will have worn off by the time you get to the last cows.

"Some cows react differently to stimulation," points out Bill Gerlach, Art's brother.

"We have one cow that I like to put the milker on right after washing," he says. "With some of the others, it's best to wait a little while."

Lots of dairymen get one cow washed while another is being milked. By the time the first cow is milked out, the next cow is ready.

Be sure to use warm water in washing udders. Warmth speeds up stimulation. Water is bound to get cold before you are thru milking. So change it often enough to make sure it's warm.

What about pulsation rate of your milker? Best advice is to follow the recommendation of the manufacturer.

But check the pulsation rate frequently. It may be changed when you're oiling or cleaning your milking machine.

Machine-stripping is another good way to speed up milking. When the udder is about milked out, pull down on the teat cups with one hand and massage the udder with the other. After a few times, you'll know when the cow is milked out.

If you are going to hand strip, do it right after you take the machine off. The longer you wait, the more hand work you'll have —because the cow keeps making milk all the time.

Tests have proved that production stays just as high when you milk the cow out by the fast milking method as when you take longer.

3 ways to save baby pigs

with Land O'Lakes original sow's milk substitute

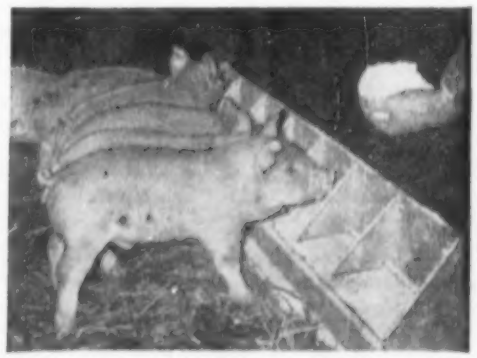
SOME hog raisers feed Land O'Lakes Pig Milk Replacer only in emergencies. Some feed it to give a boost to poor-gaining pigs. Some prefer to feed it dry as part of a regular feeding program. But whatever way you feed it, Pig Milk Replacer will save pigs for you—as it's doing for thousands of Corn Belt farmers.

Pig Milk Replacer is built to save pigs . . . with the *milk* that baby pigs must have. It's a *milk* product, developed by Land O'Lakes, the world's largest milk processor. It is *not* a half-cereal "milk substitute." It's all milk solids, plus added antibiotics, vitamins, animal fats, lecithin and trace minerals.

If Pig Milk Replacer saves only *one* pig for you, it more than pays for itself. So it's good farm management to get a bag today . . . then feed it any of the three ways below.

1. *IN EMERGENCIES—for too-big litters, for pigs not doing well on the sow, or if the sow is sick or dies—feed Pig Milk Replacer reliquefied. Mixes in minutes, is fed in an ordinary trough or fountain.*

2. *WHEN PIGS aren't doing well—not making the kind of gains you want—Pig Milk Replacer helps bring back appetite, helps put the curl back in the tail. No special feeding equipment needed.*



3. *FOR SUPPLEMENTAL dry feeding, if you like. Mix your own formula. Simple mixing directions in every bag, or ask your dealer for the new Land O'Lakes Pig Milk Replacer folder. It's free.*

Land O'Lakes Pig Milk Replacer

All milk solids · Antibiotics · Vitamins · Animal fats · Minerals

Get it at your Land O'Lakes hometown dealer. If your dealer doesn't have it, write Land O'Lakes Creameries, Inc., Minneapolis 13, Minn.

What's New for Farmers?

...by Sinclair

HELIX Green Forage Unloader

makes possible simultaneous delivery of 6 to 8 tons of green forage crops, grain and supplements in 1½ minutes. Right-angle feed unloads "on the move" into feed bunks. Unit also converts into straight rear-end unloader for filling trench silos or hauling grain crops to storage.

New Sinclair EXTRA DUTY Motor Oil

means more tractor working hours because this great new oil protects engines against high moisture conditions, heavy loads, long idling periods and rust in storage. In your car or truck, Sinclair EXTRA DUTY Motor Oil can keep your engine in top operating condition for 100,000 miles, if drained regularly. Save wear—save repair. Change to new Sinclair EXTRA DUTY Motor Oil.

SINCLAIR EXTRA DUTY MOTOR OIL

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Hydraulic Power Loaders
For Row Crop, Conversion, Ford & Ferguson Type Tractors
Digs, moves, lifts up to one ton! Dozer blade and snow bucket attachments interchangeable with regular bucket installed in matter of minutes. All action easily controlled from tractor seat.

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LOW PRICES! Write for FREE folder.
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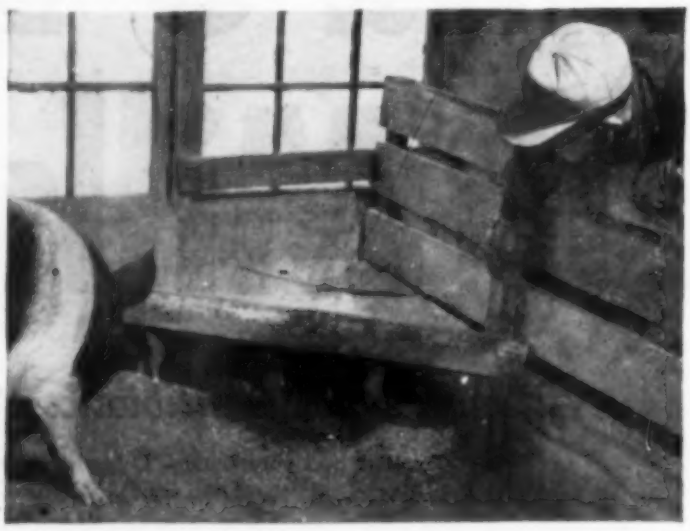
Help Prevent Infection
Give injured, cut or chapped teats and udders prompt antiseptic treatment. Apply Spohn's UDDER-AID. Kills germs on contact. Aids prompt healing. Stays soft—easier to use. Ideal for massaging congested udders. Only $1.00 at drug stores or sent direct.
SPOHN MEDICAL CO., GOSHEN, INDIANA

Clean 'er up! Scrubbing the sow just before she farrows is one of the secrets to giving pigs a clean, disease-free start. Pay particular attention to udder—where nuzzling pigs may pick up worm eggs and disease germs. Pictured is Wayne McGehee of Ringgold county, Iowa.

Be ready for new pigs

YOU can make some fast money by spending a little time with sows just ahead of farrowing. Get everything scrubbed and in order. Be sure brooder equipment is in place. Pay off? Healthier pigs—and more of 'em.

Clean pen is the next need. McGehee uses sawdust for bedding. Before bedding, scrub and disinfect the pen with steam or lye water.



Corner brooder is ready for use when new pigs arrive. Risk of crushing is reduced when pigs sleep under heat lamp in protected area.

Iowa owners say: "Cleaner Grain, Greater Economy, Easier to Handle"

Massey-Harris 90 and 80 Self-Propelleds—

first in grain-saving . . . ease of handling . . . economy

THERE you have it!—grain-saving, ease of handling, economy — the reasons so many farmers give for owning Massey-Harris combines, the reasons they enjoy fast, low-cost harvests season after season.

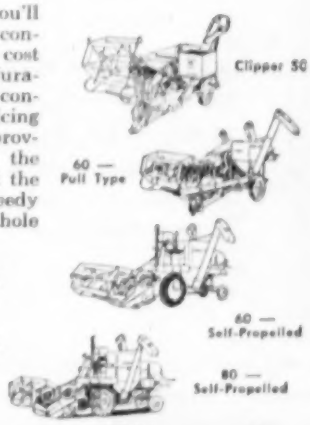
You'll discover this same security yourself when you drive a Massey-Harris 90, 80, or 60 Self-Propelled — or any of the pull-type Massey-Harris combines. The solid feel of it . . . the smoothness of its operation tells you this combine does more than the usual. And, you see it the instant grain pours into the tank . . . fast, clean — thoroughly threshed.

It's in the way a Massey-Harris takes a controlled flow of grain and straw up the elevator, through the large diameter cylinder, over the four walkers. It's the magic of Balanced Separation — the perfect relationship between each unit in size, speed, capacity.

Farmers tell us, too, that the naturally placed controls, the comfortable width of its platform, the balanced weight distribution and the stability of its low design — make the 90, 80, and 60 so easy to handle on rolling land, so relaxing to work with over long hours.

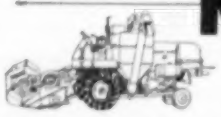
Once you use a Massey-Harris, you'll find economy is more than low fuel consumption. It's the low maintenance cost of fewer repairs, greater stamina, durability — the longer life in every construction detail. It's the faster servicing . . . less service time with new, improved sealed-for-life bearings. It's in the way you get down grain — cut out the corners, keep your speed through weedy spots . . . the way you take off whole fields without a stop.

Ask your neighbor about his Massey-Harris combine — then see your dealer for complete details on the 90, 80, or 60 Self-Propelleds. For folder write Massey-Harris, Dept. C-25, Racine, Wisconsin.



MAKE IT A **Massey-Harris**

You know it's the Best Buy because it's the Best Seller



See Your Nearby Massey-Harris Dealer For All Your Equipment Needs

— DEALERS IN IOWA —

ACKLEY.....Fred Aldinger
AGENCY.....Brainard Motor Sales
ALBIA.....Airway Implement Co.
ALBION.....Southard Implement Co.
ALGONA.....Bradley Bros.
ALLERTON.....Cunningham Impl. Co.
ALLISON.....Harms & Harms Co.
ANAMOSA .....Michel Implements
ANTHON.....Draper Impl. Co.
ARCADIA.....H. J. Peters & Sons
ARMSTRONG.....Kemna Motor Co.
AUDUBON....Christoffersen Impl. Co.

BARNES CITY....Draughn Rep. & Impl.
BAXTER.....Norman J. Kimberley
BAYARD.....Bayard Motor & Impl.
BEDFORD....Wilson Implement & Auto
BELLEVUE.....Farmers Supply
BIRMINGHAM..Skaggs Implement Co.
BLOOMFIELD.....Harris Motor Co.
BOONE.....Nelson Implement Co.
BOXHOLM.....Olson Auto Service
BRITT.....Majon Motor Co.
BROOKLYN.....Manatt Brothers
BUFFALO CENTER..Jordal Farm Equip.
BURLINGTON....Sunnyside Equip. Co.
BURT.....Christensen Implement Co.

CANTRIL.....Cantril Implement
CEDAR RAPIDS....Hoppel & Sons, Inc.
CENTERVILLE..White & King Impl. Co.
CHARITON...Morrett Garage & Impl.
CLARION.....Sann Implement Co.
CLEAR LAKE.....Esslinger & Mullan
CONRAD .....Conrad Sales Co.
CORNING .....Kerstensen Garage
COULTER.....Coulter Implement Co.
DECORAH..Hattiestad Motor & Impl.
DES MOINES....Ewing Implement Co.
DE WITT .....Charles Toedt
DIKE.....Marks Implement
DONNELLSON....McCarty & Schuelke
DUBUQUE..Gill's Implement & Service
DURANT.....Dickey Implement Co.
DYERSVILLE.....Gus H. Brunkan Impl.

EARLHAM.....Pitzer Implement Co.
ELDON.....Thomas Implement Co.
ELGIN.....Torkelson Motor Company
ELKADER.....Fassbinder Implements
ESTHERVILLE.....Viking Motors
FARNHAMVILLE.....A. J. Tasler

FLOYD.....Poppe Implement Co.
FONTANELLE..Fontanelle Farm Supply
FORT DODGE.The Farm Equipment Co.

GILMAN .....Paxson Standard
GLIDDEN.....Bentley Implement Co.
GOODELL....Goodell Farm Equip. Co.
GOOSE LAKE.....Meyers Implement
GRAND JUNCTION....Rueter & Zenor
GREENFIELD.....Donnellan Garage
GRINNELL....Pearce Implement Store
GUTTENBERG.....Pattison Garage

HAZLETON.....Don's Implement
HENDERSON.....Hendrix Implement
HUBBARD.....Schwinger Repair Shop
HUMBOLDT.....Stow-Kerns Co.

INDEPENDENCE.....Kaesser & Son
INDIANOLA.....C. R. Walk Impl. Co.
IOWA CITY....Mann Impl. & Appl. Co.

KALONA...Gingerich & Miller Implts.
KEYSTONE.....Davis Implement Co.

LAMONI.....Lamoni Implement Co.
LAMONT.....Smith Implement Co.
LEHIGH.....Gerard's D-X Service
LEMARS...Northwest Distributing Co.
LENOX.....Bennett & Son Implement
LEON.....Short Tractor & Implement
LOWDEN.....H. D. Kemmann Sons
LYNNVILLE.....Van's Machine Shop

MADRID.....Farm Supply Store
MANNING.....Manning Farm Supply
MASON CITY.....Eco Machine Co.
MAYSVILLE.....Ferris & Mason
MELBOURNE....Watts Repair & Impl.
MILLERSBURG.....Alfred E. Shaull
MONONA.....Drahn Implement Co.
MONROE.....Hawkins Implement Co.
MONTICELLO Monticello Impl. & Truck
MOUNT PLEASANT....Lloyd Petersen & Son
MOVILLE.....Herbold Seed Co.
MUSCATINE..Elder & Vaupel Farm St.

NEW HAMPTON..Rawson Farm Store
NEW MARKET.....Burwell Garage
NICHOLS.....Elder Implement Co.
NORTHWOOD..Jaspers Motor & Impl.
NORWALK....Gideon Sales & Service

OAKLAND.....Turner Implement Co.
ORAN.....L. J. Suhr Garage
OSAGE.....Stang Implement Co.
OSKALOOSA.....Van Zetten Impl. Co.
OSSIAN.....M. E. Vyverberg

PACKWOOD.....Harold Dickey
PATON....Mengel Impl. & Farm Sup.
PELLA.....Gary T. Vogelaar
PERRY.....Huss Implement Co.
POCAHONTAS.....Keith Farm Supply
PRESCOTT.....Hethcote Garage
PROTIVIN.....Ciet's Farm Equipment

RANDALL..Randall Machine & Welding Shop
ROCKWELL CITY....Small's Implement

SAC CITY.....Crabb Implement Co.
ST. ANSGAR.....Adams Implement
SHELDON....O'Brien County Impl. Co.
SIGOURNEY.....Wemer Motors
SIOUX CITY.....Sioux City Tract. & Equip. Co.
STANZEL .....Ramsey Implement
STORM LAKE.....Cole Motors
SUMNER.....George Stapel Impl.

THURMAN..Thurman Tractor & Supply
TIPTON.....Brendes Farm Equipment
TRAER.....Pemberton Implement Co.

VINTON.....Davis Implement Co.

WASHINGTON....Fenn Implement Co.
WATERLOO....Waterloo Mtr. & Impl.
WAUKON.....Valiere Dundee
WAVERLY..West Side Sales & Service
WEBSTER CITY..Hansen Implement Co.
WEST AMANA.....Amana Society
WEST BEND.....Frieden Auto Co.
WEST CHESTER.....Miller Garage
WEST POINT...West Point Impl. Store
WINTERSET.....David D. Weems
WOODWARD.....Randall Bros.

Vincent Collison gets up-to-the-minute market information by telephone

Iowa brothers market cattle quickly, favorably by phone

"The first time my brothers, Milford and Marvin, and I made arrangements by telephone to market our cattle, we were really pleased with the results," says Mr. Vincent Collison, partner in Collison Brothers, Arcadia, Iowa.

"We reached the commission firm immediately and arranged for shipment in just a few minutes.

"Since then, we've done it many times. In fact, by long distance telephone last fall we laid the groundwork for selling practically all our cattle. The phone helps us to be in the market at the right time to buy our feeders, too.

"And whether we want to get a veterinarian in a hurry or call elevators to locate feed corn, we've never found a way to get the job done that's as fast as telephoning."

With their son in the army in Oklahoma and a sister living in Wisconsin, Mrs. Vincent Collison gets a lot of enjoyment from her frequent visits by Long Distance.

The Collison brothers are using low cost telephone service to save them time and traveling expense . . . typical of the thousands of farm and ranch families served by the NORTHWESTERN BELL TELEPHONE COMPANY.

PROTECT YOUR LIVESTOCK...PROTECT YOUR PROFITS

with amazing COOPER-TOX EXTRA

(contains Toxaphene/BHC and CTX-54)

KILLS FLIES • LICE • TICKS

• CURES HOG MANGE AND SHEEP SCAB

• REDUCES SCREW WORM INFESTATION

Keep your cattle, sheep, hogs and goats in peak condition with COOPER-TOX EXTRA. Thousands of stockmen have proved COOPER-TOX EXTRA *kills flies, lice and ticks faster . . . protects longer . . . prevents reinfestation!*

MOST EFFECTIVE PROTECTION AT LOWEST COST

It takes only a little COOPER-TOX EXTRA to do a thorough job. Just one *gallon* of COOPER-TOX EXTRA *makes 150 gallons* of full strength spray or dip. COOPER-TOX EXTRA also cures hog mange, sheep scab and reduces screw worm infestation. Easy to use in hard or soft water. *It costs you less* to protect your livestock with the best . . . with COOPER-TOX EXTRA. Get it today at your favorite dealer.

KILLS FASTER! PROTECTS LONGER! COSTS LESS!

WILLIAM COOPER & NEPHEWS, Inc.

1909 N. CLIFTON AVE., CHICAGO 14, ILLINOIS

"My biggest mistake"

Farm people tell about mistakes they hope other folks won't make

In the letters below, farmers and farm women tell frankly about errors they've made in both personal and business problems. See if anything here reminds you of your own experiences. Or warns you about mistakes you might make in the future.

Lonely in Town

My husband and I were both born and raised on farms. But we worked so very hard that we both finally got sick of it. My husband's health was not too good when we were offered an opportunity to invest in a business in town. It looked like it would be an easier living.

We were ready for a change, so away we went and bought a home in a fairly large town.

We have a nice home and more conveniences than we ever had on the farm, but we aren't nearly as happy.

There are many people living around us but no real friends among them. We left our friends back home. We feel that our children have better schools to go to. But they all love animals, and we don't even have a puppy.

When we are outdoors we don't enjoy it, for there is always someone watching. I hope that if anyone else is about to make the same move that we did they will think it over very carefully. If we had stayed on the farm and hired some help, we would be much happier.—R.G., Muscatine county, Iowa.

Woman's Place?

I went with a boy for six years before we finally married. It didn't take me long to find out that I had made a mistake. I have been married for 13 years now. In all that time, he has never once told me to shove back the supper dishes, and let's go and visit friends.

My husband definitely thinks that a woman's place is at home and nowhere else. When it comes to church social gatherings, he says "You can drive," so I have to go alone. He sits at home and watches TV. I should have stayed an old maid.—Housewife, Butler county, Iowa.

Unfair Exchange

Forty years ago, I was teaching school two miles away from home and boarded at home. On days of bad weather, Father or Mother would take me with a farm team and a light wagon. One night on returning, I helped with the unhitching. I noticed that the side tongue-bolt was almost worn in two, but I neglected to tell Father about it. The next morning Mother and I started for school. Just as we drove from our down hill driveway the bolt broke, letting the side of the tongue down. This frightened the team. They lunged and broke the other side bolt and ran.

Mother fell out. The wheel passed over her foot breaking it. I hit the frozen ground on the side of my head.

To make a long story short—I found out years later, that the side of the third vertebra in my neck had been broken off. All of these 40 years, I have suffered at times almost unbearable pain. I exchanged a broken neck for a broken bolt.—Mrs. P.P., Franklin county, Iowa.

Written Agreement

Back when I was a kid, I didn't have it as easy as children of today. I started milking cows when I was five years old. I started early working long hours on my parent's farm. I stayed there until I was 28 years old.

My father took the money which I helped him earn and bought farms. He now owns over 800 acres. When we got married, my wife and I moved on one of my father's unimproved farms.

We have lived here eight years and have taken what money we have made to improve the farm.

We have spent over $14,000 on buildings, fences, etc. We kept thinking that some day it would be ours, but now I do not know.

My father will not give us an agreement on the improvements. He also takes all credit in getting what he has now.

I hope that no one else makes this mistake. I know that I should have had some kind of written agreement before I put on any improvements—but it's too late now.—J.T., Story county, Iowa.

Reads Directions

The first year we started farming, we had just 50 hens. My folks had given them to us, and they needed delousing. Altho I was born and brought up on a farm, I'd never deloused chickens before. But I thought I knew how to use Black Leaf 40.

My husband caught the hens, and I applied the Black Leaf 40. When we were about half done, I looked out where we had put the hens we had deloused. And there were chickens lying all around.

I was horrified! We hurried out and examined them. I read the directions which I should have done before we started. The most important part read: "Do not place on the skin or near the egg duct.

Most of the hens came out of it, but we did lose several. I'll never forget how I felt picking up those dead hens. Now I always read directions very carefully.—Mrs. D. C., Woodbury county, Iowa.

Farm and Ranch Leaders Oppose Federal Price-Fixing

Believe Free Competition Is Best Regulator of Natural Gas Production

LEADING farm and ranch organizations agree with the 5,000 competing producers of natural gas that competition is the best regulator of prices. Both believe that clamping Federal price-fixing and controls on natural gas production is fundamentally and dangerously wrong. They believe it can lead to the same kind of controls on other commodities.

If there is price-fixing for natural gas at the well, coal at the mine can be next, or oil at the well or lumber in the forest—or grain in the field.

The new price-fixing: More than sixteen years after a 1938 law was passed, a new interpretation of some of its words now forces the Federal Power Commission to do what it has eleven times refused to do—try to fix the prices received by the 5,000 producers who find the gas and compete to sell it to interstate pipelines.

Discrimination: The American sense of fair play rebels against singling out one person or one group for special restriction or attack. The free competitive system which has assured abundance in our nation grew up in that framework of fairness. That's why this issue is of vital interest to you.

These Important Agricultural Groups Oppose This New Price-Fixing

AMERICAN FARM BUREAU FEDERATION RESOLUTION

"Since the field price of natural gas is adequately regulated by competition we favor legislation providing that field prices of natural gas shall not be regulated by the Federal Power Commission." *Platform of Policy, December 16, 1954.*

• • •

NATIONAL GRANGE RESOLUTION

"The Grange is opposed to permitting the Federal Government to fix the price at which the landowner or producer sells natural gas." *Spokane, November 1954.*

AMERICAN NATIONAL CATTLEMEN'S ASSOCIATION RESOLUTION

"Gas is an important product of ranch and farm land. This decision . . . may well be the beginning of laws to regulate all industries in this country, including the livestock industry." *Reno, Nevada, January 12, 1955.*

• • •

NATIONAL WOOL GROWERS ASSOCIATION RESOLUTION

"That the Federal Government should fix and establish the price that a gas producer can legally pay to the landowner for gas produced . . . and . . . establish the price that a purchaser of such gas can legally pay to the producer at the well . . . is fundamentally and dangerously wrong." *Salt Lake City, December 9, 1954.*

• • •

—And Users of LP-Gas in Tanks or Bottles Will Be Interested In:

NATIONAL COUNCIL FOR LP-GAS PROMOTION—A STATEMENT

"The effect of Federal regulation of the natural gas producing industry would be a diminishing output, resulting in a decline in the supply of LP-Gas. This would mean a shortage of the fuel, now used in millions of farm, suburban and small town homes." *Chicago, Illinois, November 23, 1954.*

What Is The Natural Gas and Oil Resources Committee?

It is made up of individuals and companies concerned about this extension of Federal control. It includes a great many small and large gas and oil producers. All believe that free competition is better for all of us than a price-controlled economy, which goes hand-in-hand with statism, and its stagnation, scarcity and rationing.

FOR MORE FACTS WRITE FOR THIS BOOKLET NOW!

You have the right to know the facts about this new government regulation—a peacetime control of competitive producers. Send today for the booklet, "Natural Gas." Address:

•

Under Free Competition Without Federal Regulation—

natural gas became plentiful—stayed reasonable—created thousands of jobs—and now supplies one-fourth of the nation's energy resources.

***NOW*... Federal controls, which stifle initiative, threaten this progress.**

IOWA NATURAL GAS AND OIL RESOURCES COMMITTEE

A. E. Boekel, *Chairman*, 511 Merchant National Bank Building, Cedar Rapids, Iowa

LASTS LONGER
because it's the ONLY Fence
Flame-Sealed against Rust

Continental Flame Sealed Fence is your best fence buy because it lasts longer... looks nicer longer. Permanent tension curves in line wires and the exclusive semi-rigid Pioneer Knot keeps it standing straight and tight in spite of climbing or crowding by livestock. Also available is the popular Champion wrap stay hinge joint knot.

TRIPLE GUARDED means Triple Value and real fence economy!

1. Flame Sealed process makes a more uniform, denser, tougher shield against rust.
2. Copper Steel has up to three times greater rust resistance than ordinary steel.
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Farm buildings can be opened up quickly and easily for storage as well as ventilation with Continental's exclusive BIN DOR used with Continental's Tyl-Lyke Roofing Sheets. Installed quickly on the job.

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STEEL CORPORATION · KOKOMO, INDIANA

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now you can get Soil Surgeon WITH WHEELS

This Soil Surgeon unit is made of three 4' sections. The wheels are raised when the Soil Surgeon is in use, lowered for easy transport.

the Soil Surgeon does the entire seedbed preparation job, after plowing, faster and better

"WHEEL-CARRIER" SOIL SURGEON UNITS ARE AVAILABLE IN ANY COMBINATION OF 38-INCH OR 48-INCH SECTIONS UP TO 16 FEET

All size sections are interchangeable for desired widths

- Works plowed ground DOWN—never UP!
- Traps and conserves moisture in soil—promotes quicker seed germination, and better growth resulting in better yield.
- Works satisfactorily in all kinds of soil — clay, gumbo, buckshot, sand or loam — for flat farming, bed, ridge, or terrace farming.

ALSO AVAILABLE FOR 3-POINT HOOKUP OR DRAG-TYPE UNITS — ALL SIZES.

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Write for the name of your nearest dealer.

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2171 N. Sherman Drive, Indianapolis 18, Ind.

Gentlemen:
Please send me additional information on the Soil Surgeon.
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Address _____

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Non-freezing GRAVITY TYPE . . . No heating unit required easily attached to barrel or tank . . . ALSO PRESSURE TYPE for indoor or outdoor areas. Price $6.55 delivered. See your dealer or write for folder . . . satisfaction or money back.

STANDARD MFG. CO. BOX 10, CEDAR FALLS, IOWA

Unpacking pots and pans. Mrs. Ray Miller is helped by daughter as they arrive at Hancock county, Iowa, farm.

Moving time...

Are you moving this year? Lots of farm people are. In Iowa, for instance, about 10,000 tenants change farms annually. And as many more families sell out, trade or find some other reason to get on the road.

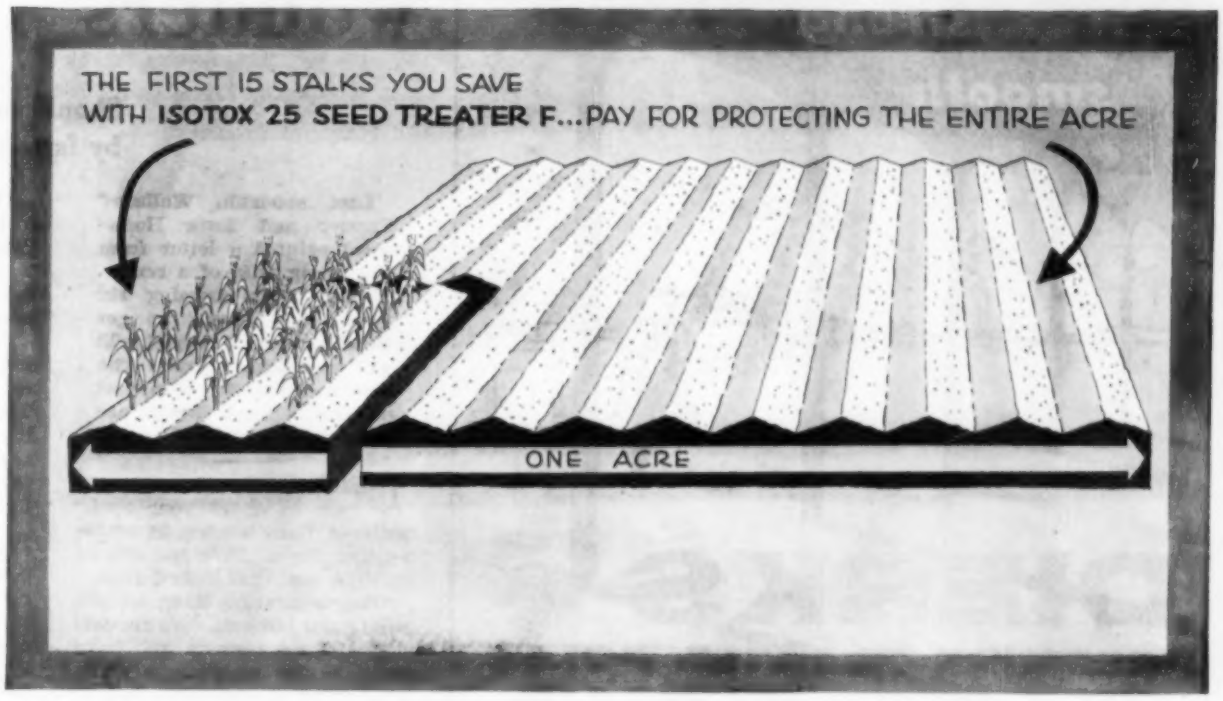
Most of the movers stay in the state. Of 81,790 farm people (individuals, not families) who changed residence in one year, the census found that 49,205 stayed in the same county. And 25,000—tho they left the county—stayed in Iowa.

Only 7,595 farm people left Iowa. Three-fourths of these went to nearby states. And over one-half went to Minnesota and Missouri.

Fewer farm families move every March than used to. We're improving a little. But the annual move and the short lease combine to make one of the great handicaps of farming in the Corn Belt. Nobody can do much with a farm in one year.

Neighbors help at each end of line. Paul Miller (standing in truck) moved from Waseca county, in Minnesota, to Hancock county, Iowa. His mother is shown in upper picture.

Would you invest 16¢ per acre for BETTER STANDS — BIGGER YIELDS?



There's no other product like it! For only about 16¢ per acre ISOTOX 25 Seed Treater F will give you *dollars upon dollars* of crop insurance.

ISOTOX 25 Seed Treater F has proved to thousands of farmers it can bring top germination . . . insure bigger yields, healthier stands . . . save "extra" seed costs . . . save time and labor of replanting due to insect damage. Contains both ISOTOX for insect control, and ORTHOCIDE for added fungus control on seeds previously treated with fungicide.

Don't risk letting soil insects eat up your profits! Insist on ISOTOX — the pioneer seed treater for wireworms. Recommended for low-cost, high-value protection of corn, soybeans, beans, cotton and many other crops.

On all chemicals, read directions and cautions before use.

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CEDAR BLUFF
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CHARTER OAK
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MAQUOKETA
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Donald Hunter
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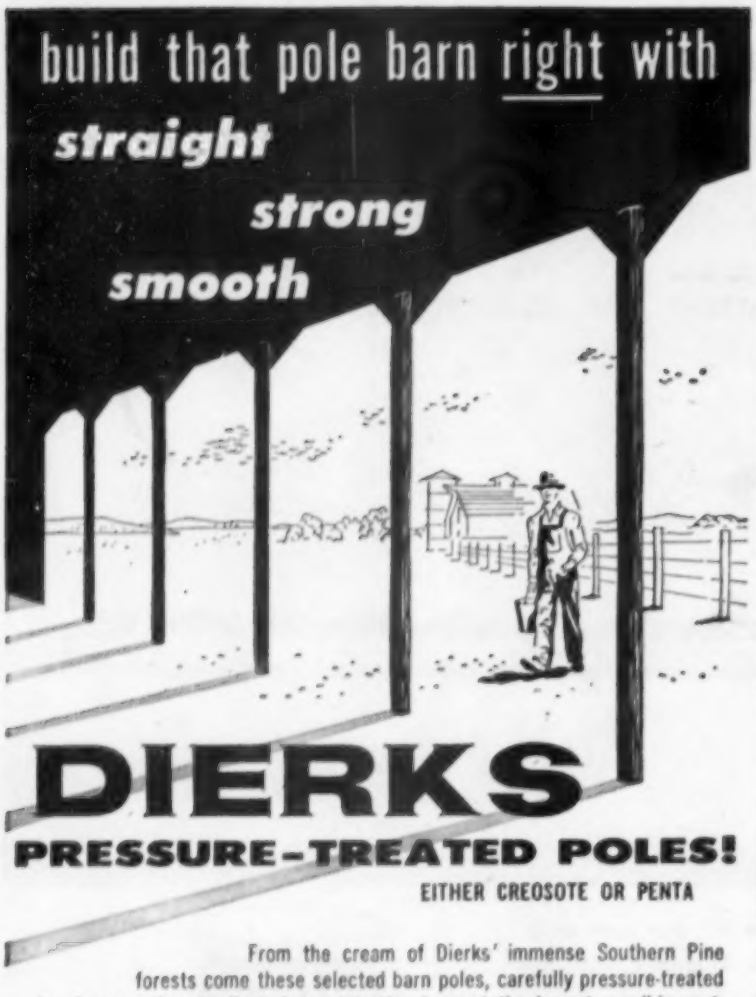

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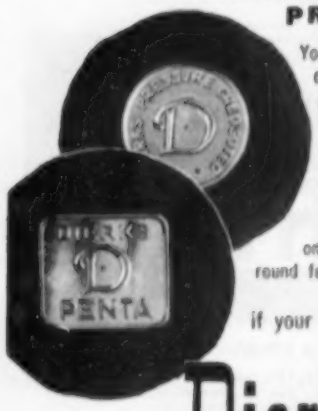

You can save as much as 16¢ a year on every post on your farm by fencing once and for all with Dierks posts that last up to 30 years or longer! See your lumber dealer!

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of a genuine Dierks pole or post. Always look for one of these two tags on the end of every one—round for creosote, square for Penta.

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MINUTE MISER!

PAPEC'S *NEW* QUICK COUPLE

Saves most of the time and labor involved in attaching and detaching direct cut, hay pick-up and row-crop attachments. Eliminates heavy lifting. Makes positive, rigid couple with forage harvester base units. Standard equipment on all 1955 Papec Forage Harvesters.

Only Papec gives you patented Finger Feed Roll, Heavier Cutting Wheel, patented Silage Shelf, Better Knives, Bigger Tires. Yet with all these features Papec Forage Harvesters cost less fully equipped than any other comparable make! Full information from your Papec dealer or send name on margin of this ad. Papec Machine Company, 2925 Chrysler Rd., Kansas City, Kan.

PAPEC FORAGE HARVESTERS

Young farm wife wonders

Should she and her husband stay by farming or move to the city?

Last month, Wallaces' Farmer and Iowa Homestead printed a letter from the young wife of a renter. They've been farming six years, can't seem to get ahead, wonder if they should quit and move to town. The editors asked for comment and got a flood. Below are extracts from some letters.

"FOURTEEN years ago, we were in about your spot," writes a farm woman in southwestern Iowa. "We lost out on an FHA deal that looked good.

"Fourteen years later, we are still tenant farmers. We are considered good farmers and have lived on this place eight years. Five children—only one left at home.

"If your husband loves the farm as mine does, I could never advise you to leave for town. In spite of the disappointments in a financial way, we find this is the way of life for us. Now we have social security for farmers coming up, and that eases the worry about our later years.

"There is simply no place like a farm to raise a family, and that is more important to us than owning land. I could write a book about our chief crop, our family."

This woman's children are doing well, with good jobs or on good farms. And she thinks their farm raising was at least partly responsible.

* * * *

On the other hand, a younger woman writes: "I have always lived on the farm and can truthfully say that I love the farm. But we have lived on the farm eight years since our marriage. We're also renting and we started with nothing but a GI loan.

"As machinery was so expensive, we bought used machinery, and now it has to be replaced. With the drop in prices of livestock and grain, it is hard to replace it.

"Our farm is on a 50-50 basis, with no conveniences, water, etc., to raise a reasonable share of livestock for either landlord or tenant. So we have ended each year, with just paying expenses and having our eats and a few clothes.

"We have only been on one trip in eight years. We do not have television, take in only a few movies. Neither of us smoke or drink. I do a lot of my own sewing for myself and two children. We have never owned a new car or new tractor. So I can't call us the spendthrift type.

"We have often thought of selling out and moving to town where we could at least own our own home, have more time for ourselves to really enjoy life. And have a vacation once a year."

"Don't move to town," advises a Mercer county, Illinois, man. "Moving to town is not the easy way out of your problem. Too many who have tried it have been disillusioned.

"Most of my acquaintances living in towns have more problems than the average farm renter. The stories all run the same—high cost of living, work layoffs, shop and office politics and unfavorable environment for their families."

* * * *

Another man — in Dubuque county, Iowa—makes a similar comment: "If you love farming and if you love your children and if you have good health, I feel you must stay on the farm to be at peace with yourselves.

"In city work, the worker is scarcely more than a number punching a time clock and waiting for quitting time. On the farm, you are much more than a number. You plan the work and manage your business."

* * * *

Another farmer, in Poweshiek county, Iowa, says not to try to become a landowner. He writes: "If you can rent a good farm and like farm conditions, stay on. Enjoy your family; take vacations. The price is too high now to try to pay for a farm. And social security will take care of your later years.

"I worked 27 years with only seven day's vacation. My wife and I have been able to pay for a good Iowa farm, but we might have been better off if we'd taken it easier."

* * * *

"I think you have the right idea," says a farmer in Bremer county, Iowa. "We have farmed 28 years . . . and this last year did not make enough to pay income tax. I think I am a good farmer, and my wife helps where she can. Years ago, she milked 16 cows many and many a time by hand when I was busy.

"Some of our machinery is 17 years old, and we are faced with buying new. It takes almost all we make for taxes, insurance, upkeep and expenses . . .

"I am disgusted with farming at these prices. If I were young again and had to do it over and prices are like they are now, I would never think about farming. A small farmer is getting crowded out. Whether you own your own farm or not, a farmer does not get his share now."

* * * *

A farm woman in northern Iowa, asked some searching questions: "Don't be angry with me, please, but is your husband a good farmer, or does he merely think he is?

"I know a renter who thinks

(Continued on page 55)

"Dad finally consented to get examined for glasses. Yesterday, he picked up a snake to kill a stick."

Sell or stay?

(Continued from page 54)

he is a good farmer, but doesn't understand that livestock can't thrive with spasmodic feeding and care. His March, 1954, pigs were sold from October 1 to January 15, because they weren't heavy earlier. They should have been marketed at six months.

"Of 600 chicks bought as week-olds, he raised 400 birds and thought that good. Points of poor management were: feed and water only part of the time, poor sanitation during brooder period."

* * * *

Encouragement came from a farm woman in Delaware county, Iowa. "You ask how a farmer ever gets ahead. Maybe our story would give you a little hope. We rented a 160-acre farm March, 1935, on crop shares. It was a poor, rundown turnback to an insurance company and overrun with quack grass. We barely eked out an existence from it and after two years decided to buy a small store."

They didn't like the store, moved back to the farm and after some changes have found a good farm and make a good living. But "no carpeted floors in the house."

"Keep your credit good," she advised, "and by that I don't mean always money in the bank, but no scattered unpaid bills . . . For me, I enjoy the peace and quiet of the country, the joy of raising crops, animals and taking pride in doing a good job."

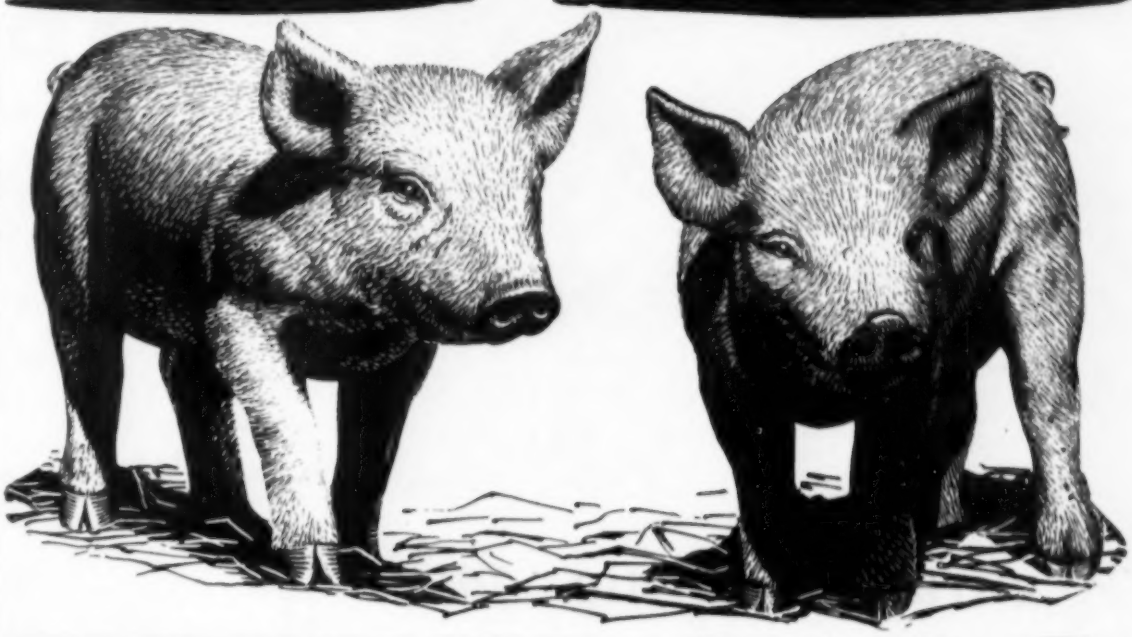
* * * *

An elderly man in Missouri writes how he moved to town and about the disadvantages: "I was getting a good monthly salary with the result that our two youngsters had about everything they wanted, expensive this and expensive that. I know now that kind of thing is not too good . . . The greatest regret of my life is that my grandchildren are being reared in the city instead of in the country like I was.

"You could move to a city, and your husband could perhaps get a good job. However, instead of being his own boss, he will be bossed by someone else. Or fired perhaps after working for years.

"If you should seriously consider moving to a large city, then you should get ready to take a lot of punishment for your family and suffer a lot of disappointments."

BUILD BIGGER



BETTER PIGS

with new Sargent 18% Special PIG STARTER

- The ingredients you need to build big, husky, fast-growing pigs are packed into new 18% Sargent SPECIAL PIG STARTER. It's the balanced starter feed for pigs . . . with plenty of rolled oats reinforced with new antibiotics for greater disease resistance . . . vitamins, minerals, trace minerals and proteins . . . blended into a sugar sweet feed that pigs really go for!
- New Sargent 18% SPECIAL PIG STARTER helps pigs build strong bones and rugged frames . . . gets them off to a fast start in those important early weeks when gains are cheapest.
- Modern nutritional know how in every mouthful of new 18% SPECIAL PIG STARTER your pigs eat. But don't take our word for it. See your Sargent dealer today! Sold on a no-risk, money-back guarantee.

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DES MOINES, IOWA
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Accurate Planting—*fast!*

Like a prize fighter's short punch, *Short-Drop* planting is more accurate. That's what you get with an Allis-Chalmers tractor-mounted drill planter.

Short, straight seed tubes and low-mounted seed cans space kernels to your measure . . . no bouncing or spiraling of seed. You plant faster without a worry.

The entire planter is hydraulically lifted, for turning and transport. *Free-Swing* hitch lets openers follow naturally around contours . . . avoids side-slip on slopes or hillsides. Over 100 different seed plates available. Gear-type, or big-capacity, gate-type fertilizer attachments to fit your needs.

Two-row units for CA Tractor; two and four-row units for WD and WD-45 Tractors.

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TO FARMERS WHO FEED

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TRACE MINERALIZED

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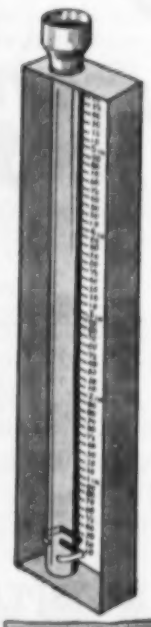
Purchase only 750 lbs. of CAREY TRACE MINERALIZED SALT OR MINERAL SUPPLEMENT WITH SALT

GET YOURS **FREE!**



FASTER GAINS AT LOWER COST, TOO

No matter whether it's milk, meat, or wool you're after, feeding CAREY TRACE MINERALIZED SALT or MINERAL SUPPLEMENT WITH SALT will add dollars a head to your annual profits at an annual cost of only a few cents per head. You have to feed salt anyhow, so why not have the extra profit insurance of Carey's low cost protection to help provide against mineral deficiency? As a special get-acquainted bonus for using CAREY TRACE MINERALIZED SALT or MINERAL SUPPLEMENT WITH SALT, the famous VICTOR RAIN GAUGE on the right can be yours absolutely free of extra cost. See your local Carey dealer for details now.

THE CAREY SALT COMPANY, Hutchinson, Kansas

In Modern Farm Kitchens

IODINE-BALANCED CAREY SALT . . .

is the favorite way to coax out full food flavor. Carey Table Salt assures proper iodine ration daily—by an exclusive patented* process that gives iodine-balance with every "shake" of salt.

*Patent No. 2,596,560

Workday pointers

CHOPPED STRAW for bedding is more absorbent than long straw.

▼ ▼ ▼

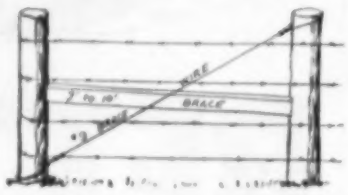
FARROWING pens should be cleaned and disinfected at least a week before sows are expected to farrow.

▼ ▼ ▼

KEEP LIDS TIGHT on cans containing farm chemicals for spraying or seed treatment. Keep them out of reach of children. And keep 2,4-D away from seed that you expect to plant.

▼ ▼ ▼

FENCE BRACES hold best when almost horizontal. Many farmers say the brace should contact



end post almost in the center of pressure applied by wires. Lifting action is applied to end post when brace runs from top of end post to bottom of brace post.

▼ ▼ ▼

TO ENCOURAGE week-old pigs to eat: (1) place creep feeder close to sleeping quarters; (2) keep water before the pigs; (3) provide a ration that tastes good; (4) keep feed fresh.

▼ ▼ ▼

IT PAYS to have heifers calve as two-year olds rather than three-year olds, according to Oklahoma experiments. But half of the two-year old heifers will need help at calving time compared to four percent of three-year olds.

▼ ▼ ▼

HEAT LAMPS in the hog house should be supported by chain, wire or other support. Electric cord, used as a support, may develop a short. Result could be hoghouse fire.

▼ ▼ ▼

SPRING SEEDINGS of red clover catch on some soils where alfalfa usually fails. On such soils, it's better management to sow red clover even if the cost is higher.

▼ ▼ ▼

CALF DEATH RATE is reduced by keeping weaned calves in separate building away from cows. This practice is used by Clyde Dunlap, Linn county, Iowa and reported in the Dairy Herd Improvement Association letter. Dunlap thinks dairy barns are too damp for calves.

▼ ▼ ▼

HOW ESTIMATE mature production of a first-calf heifer? Add one-third to first-year production, say some dairymen.

▼ ▼ ▼

CATTLE FEED containing stilbestrol should be fed only to fattening cattle. The drug is not approved, at the present time, for feeding to dairy cattle, poultry, hogs, or sheep.

DOWN THE DRAIN is the place for unlabeled drugs or chemicals that you find around the place.

▼ ▼ ▼

SUPERPHOSPHATE instead of lime is recommended for dairy barns by J. G. Hays of Michigan State College. He advises a half pound per cow per day spread in and a short distance behind the gutter.

▼ ▼ ▼

GRAIN FOR CHICKS is like candy for children. It's long on energy, short on protein, vitamins and minerals. Ohio poultry experts say to wait until chicks are six weeks old before feeding grain.

▼ ▼ ▼

WHEN BROMEGRASS takes possession of a field, nitrogen fertilizer is needed. Spring is a good time for application. Forty to 60 pounds of actual nitrogen is recommended.

▼ ▼ ▼

NORTHERN GROWN, common alfalfas are suitable only for short rotations. Southwestern common is good only for green manure purposes. Certified, hardy varieties are what you want for long-term alfalfa stands.

▼ ▼ ▼

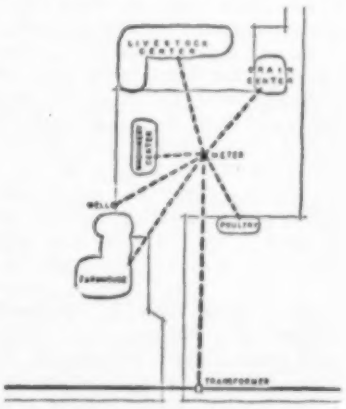
CHICKS NEED GRIT when grain feeding starts. Harold Yacowitz of Ohio State University recommends an insoluble granite grit.

▼ ▼ ▼

IT ISN'T OFTEN that you save anything by buying fertilizer or seed supplies late. It's quite possible to lose by late purchases.

▼ ▼ ▼

GOOD PLAN for laying out a farmstead is shown here. Notice central yard around which buildings are grouped. Machinery center is between house and



livestock center. Grain is handy to livestock, but poultry center is separated from the livestock. You can't remake your yards all at once, but when changes are made, they should lead toward some such overall plan as this. Illustration is from Illinois College of Agriculture.

▼ ▼ ▼

DUST ON LIGHT BULBS shuts out light in poultry houses, hog houses and cattle barns. It helps to wipe dust off regularly. But use a dry cloth if you don't remove bulbs from sockets. A wet cloth used while standing on a damp floor might give you a bad electric shock.

Get Ready to Roll...
Fill up now with
Powerful
STANDARD RED CROWN GASOLINE
AND BE PREPARED
FOR EVERY WEATHER BREAK!
Don't put it off any longer! Now is the time to get your spring fill of RED CROWN. Then you'll be ready to go when the weather is right and get your spring work done on time. Why RED CROWN? Because it's different, as you will see when you turn the page.
STANDARD

The Distinctive Purple Color of Quality Guarded

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RED CROWN QUALITY IS COLOR-GUARDED

After careful refining, RED CROWN is identified as something special with its distinctive purple color. Yes, it's purple for your protection—you can actually *see* the difference. Standard Oil's modern and efficient refineries, like this one at Mandan, North Dakota, are strategically located to assure you of a continuous supply of fresh, quality guarded RED CROWN Gasoline.

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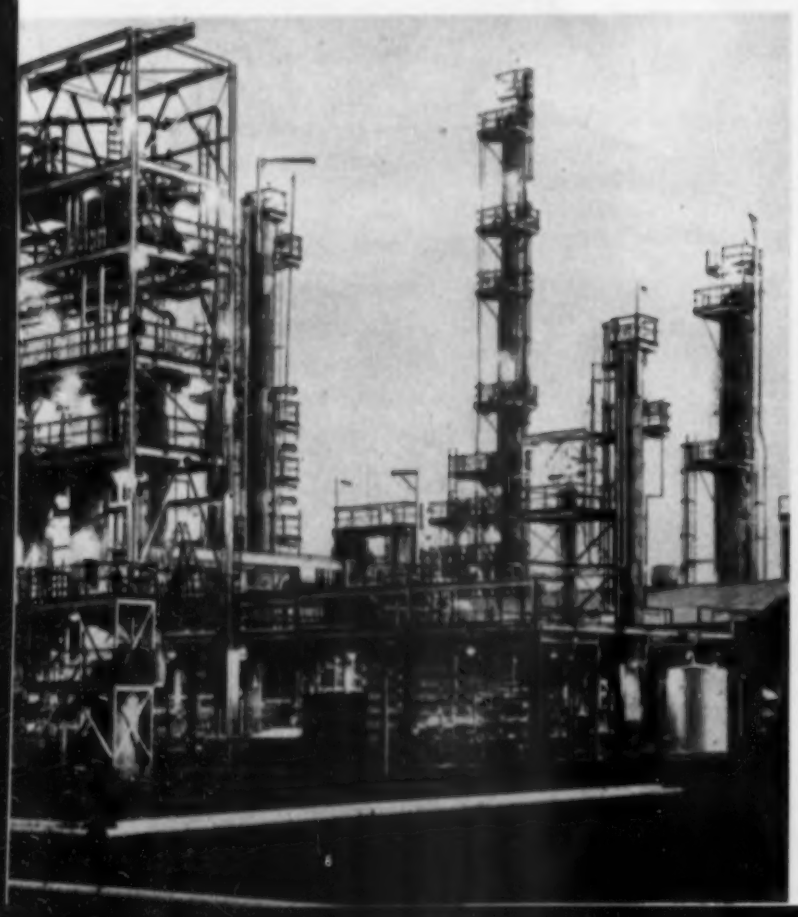
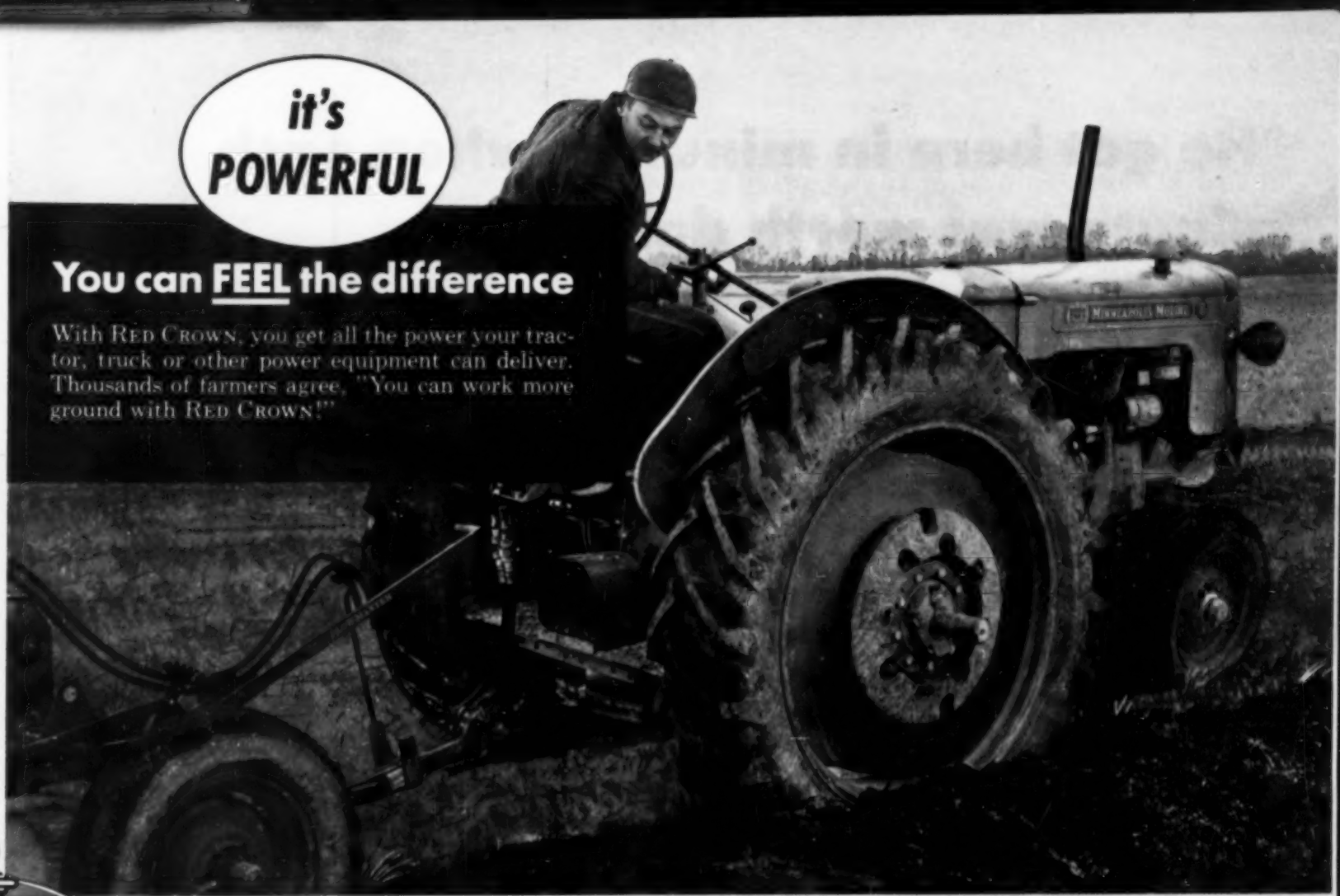
Extensive engine testing of RED CROWN assures full power and long engine life, which mean dollar savings for you. This is a corner of Standard's great research laboratory in Whiting, Indiana—one of the largest and best equipped in the industry. These engine tests and continuing petroleum research are important reasons why you EXPECT more from Standard and GET it!





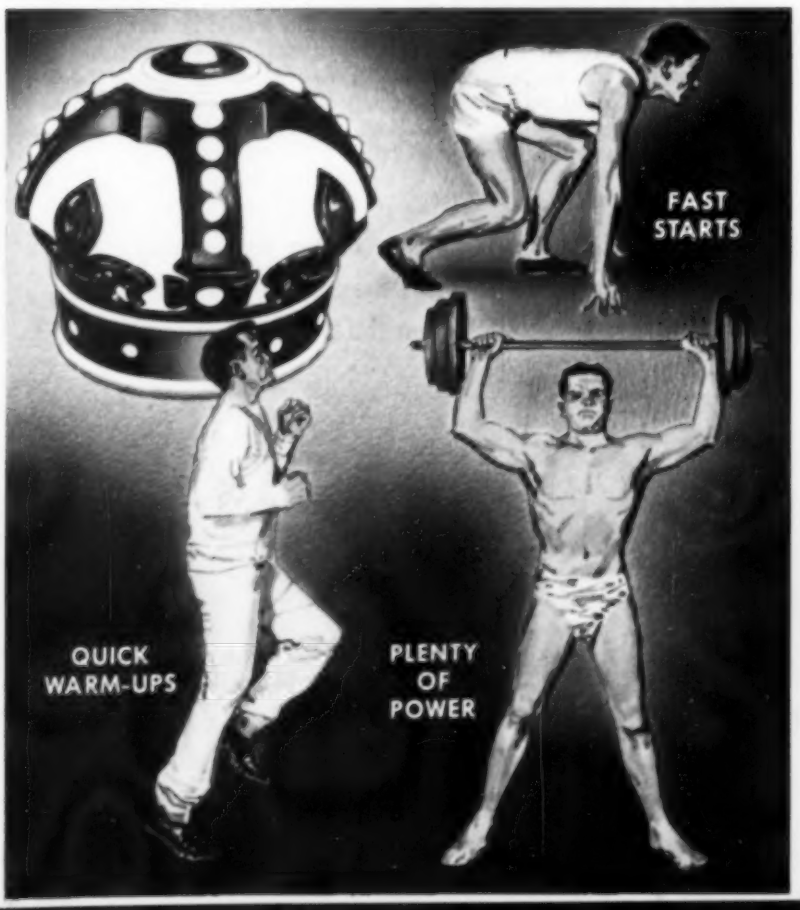
DARD RED CROWN assures you of getting dependable power!

RED CROWN IS BALANCED FOR YOU

Whatever the season and wherever you live, the RED CROWN you get is balanced for you. Right now this means plenty of heavy "power" molecules with just enough light-end molecules for fast starts and quick warm-ups. You can't buy a better balanced gasoline because no one else has as fine and extensive processing and distribution facilities in the Midwest as Standard!

STANDARD SERVICE IS "BEST OF ALL"

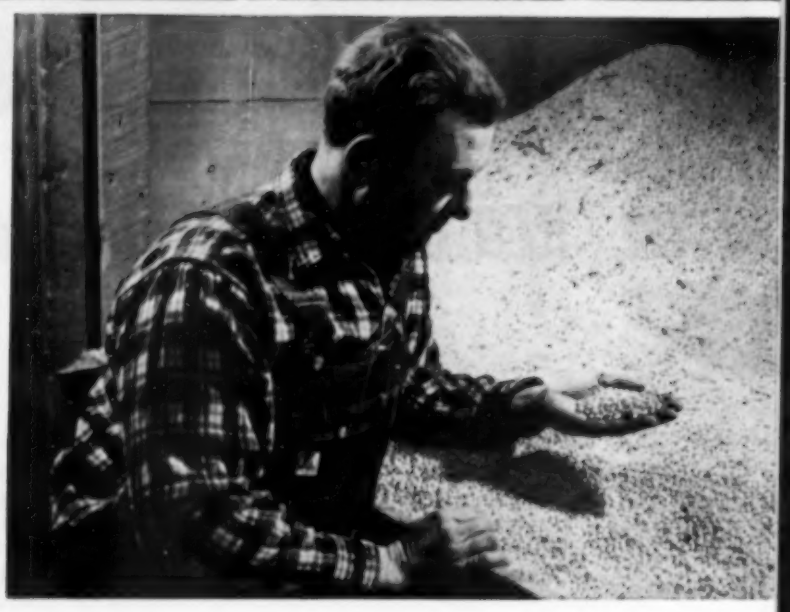
Power equipment, more than any other single factor, has made possible the large, efficient farms of today. And power equipment means you must have a dependable supply of quality fuel to save you time and trouble—even part of a crop, sometimes. Standard Oil Agents pride themselves on the service they give. Farmers say it's "Best of All." To see why, turn the page. →



"He got here in minutes—when each minute was worth dollars!"

"We'd been working all morning, getting 22 acres of ground ready for bean planting," says Donald Stoll of Tuscola County, Michigan, recalling one of those busy days last spring. "At noon it looked like it might rain any minute, so we had a quick lunch and headed for the tractors again. Both tractors were almost out of gas, so you can imagine how I felt when I discovered that my storage tank was dry, too! I wished I'd listened to Standard Oil Agent Walt Engelhardt when he wanted to put me on a keep-full basis! Well, I sure didn't waste any time calling him. He was out here in no time at all and we finished planting before any rain came. I figure his prompt delivery saved me a half day's work as well as the fuel that would have been needed to rework the ground."

Another planting season is coming up and Agent Engelhardt is discussing this year's petroleum needs with Don and his father, Alfred, who is still very active on the 200 acre farm. Don says, "I've used Standard Oil products for years and my father used them way back when Standard was just about the only company offering farm delivery. I sure like the uniform high quality and good service I get from Standard."



Here's Don with some of the good navy beans he raised last year. The Stolls also raise corn, oats and wheat as well as hay and pasture for their fine herd of Holsteins. "No more running out of gas for me," says Don. "I've just asked Walt Engelhardt to stop at our place regularly to check and fill the tank. Right now my tank is *full* of RED CROWN and I figure I'm set for a good start in farming in 1955."

Yes, *now* is the time to get set for a trouble-free season of power farming. It's time to get *your* spring fill of RED CROWN. With *powerful* RED CROWN in your gas tank—and the prompt, friendly, dependable service you get from your nearby Standard Oil Agent—you'll be "ready to roll" when the weather is right!

You expect more from STANDARD and get it!

QUALITY PRODUCTS • FRIENDLY SERVICE • DEPENDABLE DELIVERY

Power loader helps Wain Shirbroun of Carroll county, Iowa, handle about 25 loads of manure a day by himself. Chains on tractor help when going gets slippery.

Get more value from manure

Here are things you can do to be sure you make the best use of manure on your farm

MANURE on your farm may be worth more than you think.

The average Corn Belt livestock farm produces something like $1,000 to $1,500 worth of manure each year. In fact, about three-fourths of the nutrients in feed wind up in the manure. On top of that, manure is a good source of organic matter.

But fully a third to a half of the value in manure is lost on most farms.

Like to know how to get more out of your manure? Here's what specialists recommend:

(1) **Use enough bedding** to keep livestock comfortable—and enough to soak up the liquid manure. The liquid part contains about three-fourths of the potash. And about half of the nitrogen.

(2) **If practical, haul manure** from barns and lots to the field every day.

"Sure, you may have some loss when you spread manure on frozen ground," says Jerry Meldrum, Iowa State College soil specialist. "But these losses are smaller than when manure is left loose around the barn."

If you can't haul manure daily, store it under a roof on a watertight floor. Keep the pile as compact as possible.

This same combination of factors makes the manure pack in a cattle shed keep so well. Losses there are small. So manure may as well stay there until spring.

If manure must be stored outside, keep the sides of the pile nearly vertical. And bring the top to a sharp peak so water will run off instead of thru the pile.

Locate the pile so water from a roof or ground drainage won't run into it.

(3) **Pave feedlots. A paved** feedlot soon pays for itself in terms of manure saved. You can count feed saved, faster gains and extra convenience as pure profit. For each steer fed on paved lots, you can expect to save about three dollars worth of manure.

(4) **Balance the fertility in** manure by adding phosphate. About 50 pounds of superphosphate (0-20-0) should be added to each ton of manure.

Some farmers use superphosphate in the gutter behind each cow. This helps tie up some nitrogen that might otherwise get away. And it balances the plant food value, too. One to two pounds a day per cow is the recommended amount.

For plant food purposes, you can figure each ton of fresh manure including bedding would test out 10-5-10. That's ten pounds of nitrogen, five pounds of phosphate and 10 pounds of phosphate in each ton of manure.

(5) **Apply the manure** lightly and evenly. You get a bigger crop boost from a given amount of manure this way. It is well worth the extra effort to get manure on these fields the farthest away from the barn.

Some Iowa State College tests show that two tons of manure per acre per year cut organic matter loss of some soils by two-thirds. That's compared with areas getting the same treatment except for manure.

Of course, you would expect biggest returns on fields or spots where organic matter and fertility are low.

(6) **Apply manure ahead** of corn. Corn usually gives more response than other crops. Plowing under seems to make manure more effective, too. If manure must be spread on plowed ground, disk it in to reduce nitrogen losses.

(7) **Use good crop and** soil management. Manure alone won't guarantee good crops. For example, shortage of lime could limit crop growth in spite of heavy manure application.

"Manure can replace some fertilizer. But you get top yields when manure is used along with fertilizer," points out Meldrum.

It isn't hard to get the most out of manure. And it pays off big.

Yes, only FARMHAND has the right machine for every feeding operation

YOU'LL CUT COSTS by choosing the *right* Farmhand Feeder for *your* operation. This big 6-ton Power-Box, with 2-beater belt-type feeder attachment, thoroughly mixes feeds and delivers into bunks as you drive along. Big capacity and fast discharge save you time and money . . . and you take the backbreak out of feeding. Haul more than 200 bu. to a load, and unload in 1 to 4 minutes . . . that's mechanical feeding at its best. And every Farmhand Feeder is ruggedly built to stand up under heavy day-in, day-out use. Adjustable extension elevator, not shown, is available as optional equipment.

DOUBLE THE VALUE of your Farmhand "Power-Box" Feeder by using it as a Forage Unit too. Here's a 6-ton model with 16" auger-type discharge unloading silage into a blower. You just stand by and watch. The auger-type feeder is especially suited for rations with high molasses content, wet rations such as beet pulp or feed with high vegetable oil content.

LOW-COST, 4-TON "POWER-BOX" with auger feeder attachment is a rugged, dependable unit, has treated marine plywood floor and sides, heavy roller-chain floor conveyor. To make feeding a fast, easy job, this feeder hauls up to 135 bu., unloads in 1½ to 3 minutes. Two beaters thoroughly mix feed; 12" auger delivers it evenly into bunks or blower hopper.

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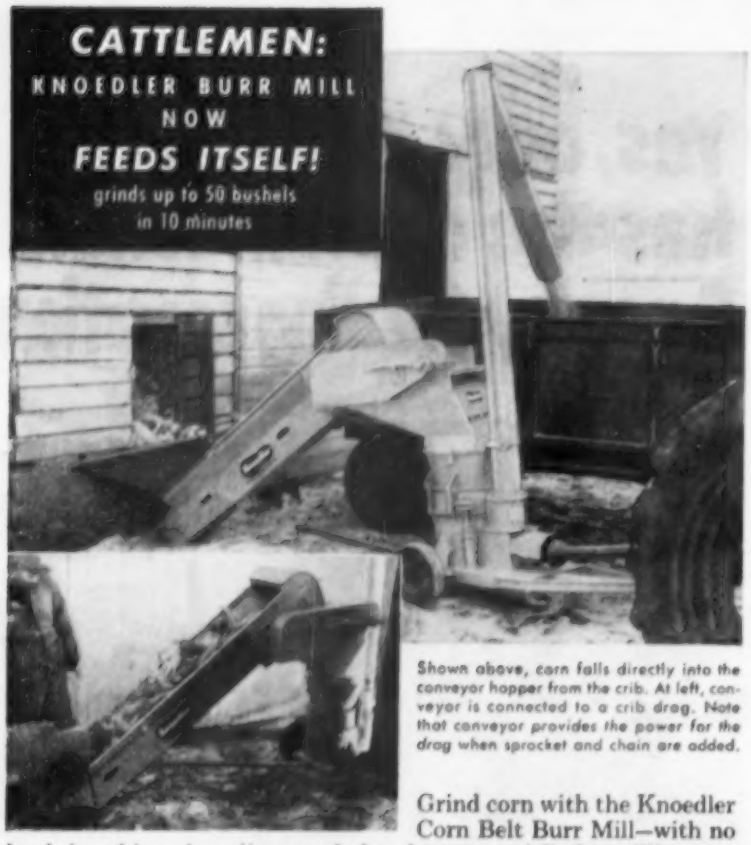

Shown above, corn falls directly into the conveyor hopper from the crib. At left, conveyor is connected to a crib drag. Note that conveyor provides the power for the drag when sprocket and chain are added.

Grind corn with the Knoedler Corn Belt Burr Mill—with no back-breaking shoveling needed to keep up with the mill's great capacity! A mill-powered conveyor now fits on the hopper, swings with it and never lets the mill run empty. You grind more corn in less time, whether it's a bunk-full or a wagon load!

The Knoedler Burr Mill is "dual capacity"—adaptable to the power of a small or large tractor, with grinding capacity up to 50 bushels of ear corn in 10 minutes. Grind is adjustable—always granular and dust-free for complete digestibility by cattle. Conveyor, magnetic hopper, auto wheels and cob burr available as optionals.

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Write for free literature and name of nearest dealer—also receive free sample of Knoedlerized corn and authentic reports from cattle feeders who own Knoedler Burr Mills.

These powerful weed killers can keep ground bare of vegetation!

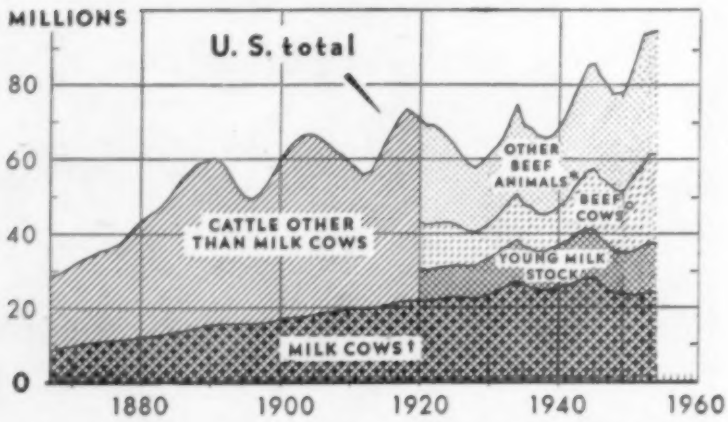
Use them now . . . to treat patches of noxious weeds before another growing season passes. Each 100 sq. ft. infested with noxious weeds today can be *400 sq. ft. of weeds* next year! But you can stop 'em by treating each patch with nonselective Borascu or Polybor-Chlorate. Your choice depends on the weed problem but your dealer knows the answers. Concentrated Borascu is easy to apply; nothing to mix, no water to haul. Fast-acting Polybor-Chlorate (non fire-hazardous) is highly soluble for spray applications which give quick knock-down to tall standing vegetation. You get effective, long-lasting results with either product!

YOU CAN DESTROY ALL OF THESE WEEDS and GRASSES . . . EASILY

BINDWEED (Wild Morning-glory) • QUACKGRASS • CANADA THISTLE • WHITETOP (Heavy Cress) • ST. JOHNSWORT • LEAFY SPURGE • POISON OAK • POISON IVY • NUTGRASS • BERMUDA GRASS • JOHNSON GRASS • . . . *and many, many others!*

PACIFIC COAST BORAX CO., 630 SHATTO PLACE, LOS ANGELES, CALIFORNIA
DIVISION OF BORAX CONSOLIDATED, LIMITED

CATTLE ON FARMS JAN. 1



Cattle totals for the country are shown by top line in chart. Notice the six peaks in cattle numbers back to 1890. And that the present total is highest of all. You may also see that beef cow numbers have gone up in recent years. Dairy cows and heifers have worked lower since about 1944.

Cattle numbers at all-time high

Big supplies of beef and pork ahead, according to annual livestock count

CATTLE and calf totals went up in 1954 for the sixth straight year. Increase was all in beef cattle, however. Dairy cattle slipped a little.

Hog numbers shot up during the year. Egg-producing poultry gained also. Only sheep numbers slipped to lower levels.

That's the story told by the annual January 1 census of livestock and poultry on farms. We can draw these conclusions:

1. Meat production this year will exceed last year's record total.

2. Milk production may go down slightly. But increased production per cow might cancel the one percent cow reduction.

3. Egg production will not decline in the first part of this year. Any reduction will have to wait for pullets from a smaller hatch this spring.

That's the general prospect for 1955. Now let's see what's happening in various lines.

CATTLE AND CALVES: An increase of about one percent for last January 1 over one year before put the grand total at 95.4 million head. That's the highest total on record.

Upper line on the chart at the top of this page shows the new peak in comparison with five others since 1880. Each one is a little higher than the one before. And each has been followed by a rather sharp decline in numbers.

Where did cattle and calves increase most? All of the increase was made in the Corn Belt and in western states. Other areas held about even altho south central states showed a two percent decrease.

Iowa with a seven percent increase in cattle, and Nebraska with six percent increase, led Corn Belt States. The Iowa total went to a new record high at 6,279,000. Nebraska made a new high at 5,016,000 head.

What does this high cattle total mean? Slaughter of cattle and calves for two or three years will be very high. Probably last year's record 38 million total will be exceeded this year.

History of the cattle numbers cycle is that slaughter stays high for several seasons after the total starts down from the peak. It can be expected again.

Total slaughter, of course, includes many animals from both beef and dairy cattle. Let's look at the changes in each class of cattle.

BEEF CATTLE: All of the increase in cattle numbers for the nation was made in beef cattle. But it wasn't even by regions, or among beef cattle classes.

Cows and calves went up most during 1954. But there was a slight increase in both steers and heifers.

Southern states showed the most decrease in beef cattle. The Corn Belt and western states showed biggest increases.

In Iowa, beef cows went up five percent in 1954. But beef heifers made a 20 percent increase.

What's significant about changes in beef cattle classes? Mostly that cows continue to increase. There'll be more calves in the feeder offerings. But this year, steers did not go down in numbers as they did last year.

DAIRY COWS AND HEIFERS: The nation's dairy cows went down about one percent in 1954. But heifers kept for milk did not decrease.

It appears that farmers culled milk cow herds rather closely. But they kept the heifers which could be used to increase herds quickly.

Where were milk cows reduced? All Corn Belt states cut milk cow numbers except Wisconsin.

(Continued on next page)

Hog numbers up, too

(Continued from last page)

Increases in milk cows were registered in the northeastern dairy states and in far western states.

Iowa milk cow numbers went down three percent. The new total of 1,111,000 head is 14 percent below the 10-year average. Beef cows are replacing milk cows in Iowa and in most Corn Belt states.

HOG NUMBERS: The January 1 livestock census tends to confirm the accuracy of the December Pig Crop Report.

Hogs on farms were up 13 percent above a year earlier. That reflects the larger fall pig crop indicated in the earlier report.

And the count of sows and gilts on farms January 1 shows a five percent increase. That's about the increase in sows for spring pigs farmers reported in December.

But the total hogs on farms January 1 at 55 million head was under the 10-year average for the date. The big percentage increase is over last year's low totals.

Hog increases were found in all regions. Corn Belt increase was 14 percent and Iowa increase 13 percent.

POULTRY: Chickens on the nation's farms January 1 (excluding commercial broilers) were one percent more than a year earlier.

But pullets on farms increased three percent. Old hens were down about one percent. Of course, this shows a net increase of egg layers over one year ago.

Iowa farmers didn't quite follow the national trend on egg layers. Pullets gained two percent while old hens declined three percent. These figures too show a net gain in egg layers.

Farm holdings of turkeys on January 1 (excluding fryers) were three percent above one year earlier. Breedings hens totalled the same as a year earlier. Light breed hens went down 16 percent while heavy breed hens went up five percent.

SHEEP AND LAMBS. Total number of stock sheep on farms and ranches declined less than one percent during 1954. Lambs on feed went down four percent. Decline in grand total is still about one percent.

Present sheep numbers are three or four percent above the low in 1950. But about 45 percent below the high in 1942.

"Let her take it to court. It's just your word against her diary."

NOW—all year 'round—fresh, sweet silage cows are crazy about

This year—all year 'round—you can be sure of having fresh, sweet-smelling grass silage that your cows will love. And you can get it with never a worry about spoiling.

Instead, your silage will have a green color. It will be packed with valuable nutrients—especially carotene, which gives rich, yellow milk with plenty of vitamin A.

You can get grass silage like this by using the remarkable new material which you have been reading about in current newspapers and magazines.

MEDO-GREEN is its name. (Chemists call it sodium meta-bisulfite.) High-purity MEDO-GREEN is made by Monsanto Chemical Company, which also makes DDT, 2,4-D and other farm chemicals you've come to rely on.

Easy to Apply . . . MEDO-GREEN is a clean, free-flowing powder. There's no sticky, gooey liquid to slow you down. No complicated valves and hoses to bother you. No special labor or extra man required.

Instead, you add sparkling white MEDO-GREEN to your grass silage quickly and without fuss. All that's needed is equipment you probably have. The fertilizer attachment from the corn planter, for example, can do the job perfectly. You just add the MEDO-GREEN and it does the rest, giving a conditioning effect similar to sulfur dioxide. Commercial applicators are also on the market.

Low Cost — You need only 8 lbs. of Monsanto's MEDO-GREEN per ton of crop. And since you don't use as much, you save time, money and work. Have your supplier figure the cost for your crop.

Cows Go For It . . . Cows are crazy about silage treated with Monsanto's MEDO-GREEN, too. How do we know? From actual feeding tests on two-year-old heifers. These tests show a preference of more than *three to one* in terms of actual eating for sodium meta-bisulfite treated silage over untreated silage.

High Nutrient Value...So cows like MEDO-GREEN. Is it good for *them?* The results of carefully conducted digestion tests showed that *in every case* sodium meta-bisulfite treated silage was *significantly superior* to nontreated silages with respect to digestible dry matter and total digestible nutrients.

Silo Tests . . . Other tests were also conducted in wooden, concrete, and steel silos under the supervision of a leading agriculture station. In all tests, farmers whose silos were used reported greater economy, easy application, less nutrient losses.

Get MEDO-GREEN now at your favorite feed supplier.

MONSANTO CHEMICAL CO., Inorganic Chemicals Division, 710 N. 12th Street, St. Louis 1, Mo.

Ask your dealer for MEDO-GREEN, Monsanto's Sodium Meta-Bisulfite, Silage Grade.

MEDO-GREEN: Reg. U. S. Pat. Off.

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SERVING INDUSTRY . . . WHICH SERVES MANKIND

GRAND CHAMPION

Available even easy to handle slip-on steel rack or "Hi-rego", "Ringe-Burner" combination bodies also available.

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New

Knapheide Farm Body!
Finest, Strongest Ever Built

Streamlined! More serviceability! More strength! High tensile steel grain sides! High tensile steel understructure! The biggest value in Farmland!

You get as much as double the years of service when you own a KNAPHEIDE Steel farm body. Now better than ever with new streamlining, new strength and new serviceability. Plus famous Knapheide all welded construction and high tensile steel grain sides (absolutely no grain loss). When you own a Knapheide, you own the Grand Champion farm body.

Knapheide heavy duty platform for standard or hoist mounting. Now available with ALL STEEL floor as well as 2" wood floor. Sizes for all standard chassis.

ASK ABOUT THE NEW KNAPHEIDE BODIES AT YOUR TRUCK DEALERS OR WRITE YOUR NEAREST DISTRIBUTOR (LISTED BELOW)

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Fort Dodge, Iowa

UP-DATE YOUR TRACTOR WITH M&W POW'R PRODUCTS
For better than standard performance

"How I get about 6 more horsepower"

"Since I Put in M&W Add-POW'R Pistons"

"M and W Add-POW'R Pistons made a big difference in my tractor power," says C. D., Albert Lea, Minn. Add-POW'R gives amazing horsepower increase on any tractor—adds up to 12 horsepower depending on model. Larger aluminum M and W Add-POW'R give you a bigger tractor engine, too . . . with modern high compression ratios that result in improved fuel economy. Power-up for all those tough tractor jobs. Put in M and W Add-POW'R Pistons with slip-in sleeves. Models available for over 50 different models of tractors. See *your* dealer today.

Save up to 3 hours every day in the field with M&W nine-speed transmission

Give your Farmall 4 more field speeds. A full range of work selected speeds for every job and every type of soil (6, 7½, 9, 11 mph). Positive lubrication of pilot bearing ends 70% of transmission trouble—stops road gear clash. Fits entirely inside original transmission case. Ask your dealer about M and W Nine Speed Transmission for your Farmall.

THIS FREE BOOK TELLS YOU HOW TO GET MORE OUT OF YOUR PRESENT TRACTOR

Send a postcard with your name and address for this big 32-page Power Story book.

M&W TRACTOR PRODUCTS
M&W GEAR CO. • 1011 GREEN ST. • ANCHOR, ILLINOIS

Before. Due to misuse of land, erosion has chewed deep gullies into this central Iowa farm. Land in this condition is best suited to permanent vegetative cover.

After. Two years later, black locust seedlings have checked erosion in the gullies. Rest of the field can be made into good pasture with little erosion hazard.

Fewer controls for farmers

Can crop acres be cut without using acreage allotments? Here's one view

Acreage allotments aren't the only way to cut crop production. The Izaak Walton League of America suggests this method: Have the government rent land from farmers.

The rented land would be seeded to grass. The owner would not be permitted to harvest or graze the forage.

This way, no grain crop would be produced on the land. And the owner wouldn't be tempted to increase cattle numbers. Extra forage produced would belong to the government rather than to the farmer.

The League figures that about 60 million acres taken out of production would about balance supply and demand. And it would do it without transferring the surplus to livestock numbers.

This could be a big boost to soil conservation, too. Much land now farmed requires careful handling if kept in continuous production because of erosion hazards. Some land now in cultivation should be in permanent vegetation.

From a soil conservation standpoint, best land to remove from production is that most subject to erosion.

So the League suggests basing rental fees on the productive capacity of the land. And using a percentage scale of this for land with different erosion hazards.

Maybe good level land would be rented at only 60 to 70 percent of its productive capacity appraisal. Land with greater erosion hazard would be rented at a higher percentage. And land that should be in permanent vegetation would be rented at full appraisal value.

The idea is this: Poorer land would be rented to the government first because it would produce as much in rent as the owner would expect to get by farming it.

The best land least subject to erosion would be the last taken out of production. That's because it would bring less return from rent than the farmer would expect to get from farming it.

For farmer Bill Jones, it might work out like this:

Jones decides he can make as much money on some of his rough land by renting it to the government. So he applies for a rental agreement.

A local United States Department of Agriculture man and a professional appraiser estimate the productive capacity of the land and its erosion hazard. Then they set a cash rental according to this estimate.

Since the land is rough, it will get a high percentage of what it could earn as farm land. Jones figures he will be ahead by renting when he considers the price outlook.

So the government leases the land for a minimum period — probably five years in the Corn Belt. Maybe 10 years in the Great Plains.

Then a government specialist prescribes a method of seeding the rented land to grass and legumes. Fertilizer and seed are furnished by the government.

Jones prepares the soil and applies the fertilizer as directed. Then he makes the seeding. If

(Continued on next page)

Stores fertility in soil

(Continued from page 68)

the seeding should fail, he tries again with government materials.

No more plowing or planting on that land during the term of the lease. Jones just draws his rental check each year.

Jones isn't allowed to use the forage produced on the rented land so he doesn't keep more cows. The acres are really out of production.

Now suppose a long drouth hits the area. The Secretary of Agriculture can declare an emergency and let Jones use some of the forage for pasture or hay.

In the meantime, Jones has no acreage controls to worry about. And no cross compliances. But he does have a form of price support, points out the League. If prices for his crops look too low, he can rent more of his land to the government.

As other farmers do the same, enough land is taken out of production to balance supply and demand, according to the League.

At the same time, all of Jones' land is producing income. Acres in crops are producing needed food and fiber, not a surplus.

The rented land is being built up against a time when its production will be needed. Under a good grass and legume cover, there is little erosion.

At the end of the lease period, Jones can take a look at crop prices. Maybe it will be better to leave the land rented. Or maybe prices are high enough to return the land to production profitably.

In either case, Jones' land is more fertile than when it was taken out of production five years earlier. The system keeps adding fertility to the soil bank when it is not needed. And it can be withdrawn with generous interest when needed.

Suppose a major war is declared. The Secretary of Agriculture can call for all out production and cancel the leases. The stored fertility is ready to boost production.

Or the land can be returned to production a bit at a time to keep pace with growing population. As the demand raises prices, more and more land can be returned to production.

In the meantime, the government needs to store only enough crops to handle a drouth or other emergency. No need to pay storage on big surpluses.

The League thinks the plan has two big advantages: (1) Supply and demand are balanced, and (2) soil is being built up on the land that needs it most.

REDUCED COST of electricity to rural consumers on REA-financed systems and increased use of electricity during 1954 was announced by the USDA. A summary reporting activities of the REA during the past year showed two main points: 1, drop in cost of power from 3.22 cents per kwh in 1953 to 3.06 cents per kwh in 1954; and 2, average yearly use per residential consumer climbed to 2,748 kwh, an increase of 13.9 percent over 1953.

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MOST POWERFUL

Ford Tractor ever!

New FULL 3-PLOW POWER

New 5-SPEED TRANSMISSION

New LIVE POWER TAKE-OFF*

New REST-O-RIDE SEAT

...AND MUCH MORE!

800

Wherever farmers gather, the talk quickly swings to the new, powerful 800 Ford Tractor. They nod with approval when its stepped-up work power is mentioned—the way it pulls three plows with ease, doing six days' work in four.

And, farmers with an eye for convenience and comfort are quick to praise the new Rest-O-Ride seat... new 5-speed transmission... new "Tailored Traction" with exclusive Ford "Vari-Weight" system... famous Proof-Meter... and a number of other Ford Tractor advantages that help make farming far easier than ever before.

LOW COST, TOO

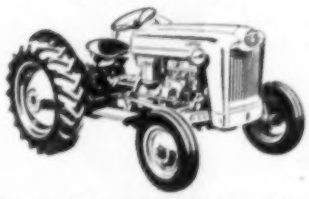
Best of all, they find the powerful new 800 Ford Tractor is an exceptional power buy. Not only is it priced low; it is also thrifty to operate.

So if you are looking for a bargain buy in 3-plow tractor power *and* performance, be sure to see and try the new 800 Ford Tractor. Tractor and Implement Division, Ford Motor Company, Birmingham, Michigan.

*Standard equipment on Model 850

NEW FORD 600 TRACTORS

All of Ford's Fine Features in 2-Plow Power



Two models are available with 5-speed transmission. One model has Live PTO as standard equipment. All three models of the 600 series Ford Tractors have the many plus features you expect from Ford—at a low price.

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the original liquid seed disinfectant

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City_____ State_____

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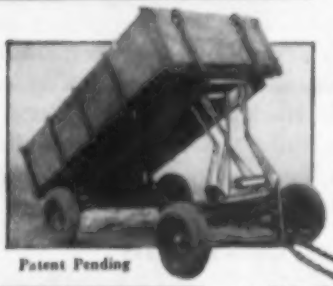
THE MODEL
L-9 HYDRAULIC WAGON HOIST



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Now, everyone can afford this safer, more modern way of wagon unloading. Here is simplicity of operation and rugged construction that will save you time, money and labor every day. Exclusive scissor action. Mounts quickly on bolster of any standard 4-wheel wagon with barge type box.

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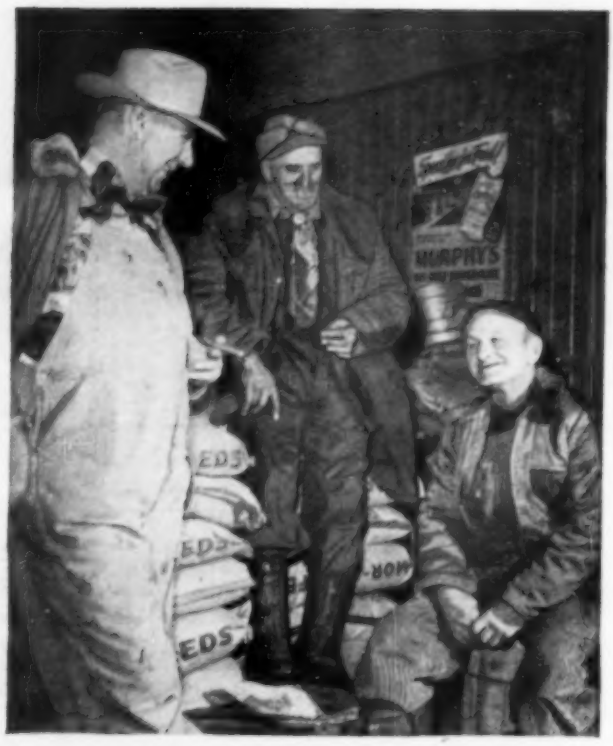


Elevator is one place where farmers gather. Here are Cecil Swant (left), Floyd county, Iowa; Clarence Benzel (center), Cerro Gordo county, and Cecil Holmes, Cerro Gordo county. At Cartersville elevator.

When farmers visit

When you go to town on business, do you stop to visit with friends before you start back? And where do you meet them?

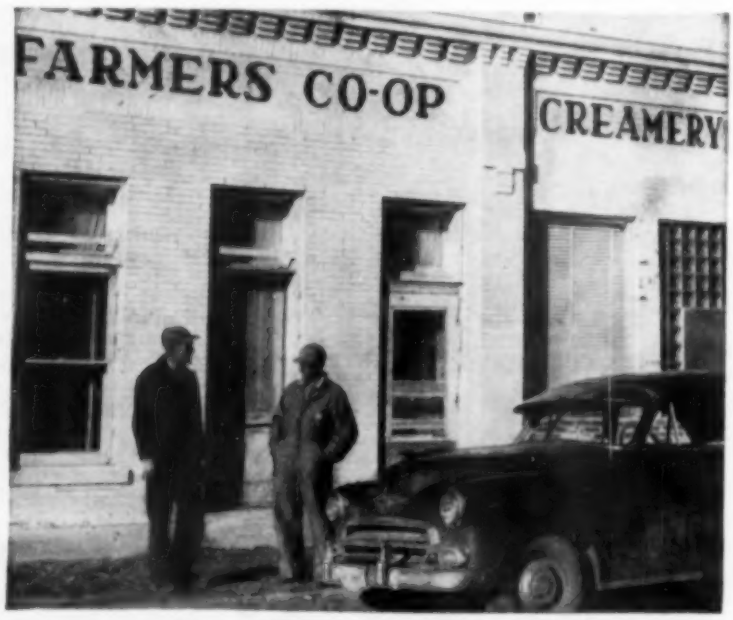
The Wallace-Homestead Poll asked this question of farmers: "In which of the following places would you be most likely to stop for rest and a visit before going home from town?"

Here are the replies:

1. Grain elevator	19%
2. Implement store	51
3. Pool hall	8
4. Tavern	7
5. Friend's or relative's home	15

About one-fourth of the men interviewed said they didn't stop and visit when they went to town. But one man, in Palo Alto county, said he didn't stop now but would like to.

"If we had a good place for farmers to hang around and see each other, I'd stop. But we haven't, and so I just go home."



Creamery is another place where farmers see each other. Outside Logan Co-op Creamery (Harrison county, Iowa) are Tom Adams, left, and Charles Kups.

QUIPS AND QUOTES

ABILITY AND reliability make a good team.—Hartley Sentinel.

THE ABILITY to speak two or three languages is admittedly an accomplishment, but the ability to remain mum in one language is sometimes more profitable.—Audubon County Journal.

TIP TO MOTORIST: Watch out for school kids—they weren't brought up to be run down.—Oakland Acorn.

LOTS OF MEN LIVE to see the day they can rejoice because they didn't get what they wanted.—West Bend Journal.

NO SENSIBLE MAN will attempt to drive a car and hug a girl at the same time. Either job requires the full use of both arms.—Clear Lake Mirror.

A HEART ENLARGED by love and sympathy never kills you. —Lake Mills Graphic.

THE RIGHT KIND of experience is always worth the cost.—Stuart Herald.

A TRUTHFUL WOMAN is one who won't lie about anything—except her age, her weight and her husband's salary.—Schaller Herald.

A CHRISTIAN without courtesy is like a millionaire without money in his pocket.—Rolfe Arrow.

THE MAN WHO continually boasts about his principles usually means his prejudices.—Fontanelle Observer.

MOST EVERY MAN knows his own business, but it is often difficult to make his neighbors believe it.—Villisca Review.

YOU'VE PROBABLY HEARD it said that after the government takes enough to balance the budget, the citizen has the job of budgeting the balance.—Sioux Center News.

GIVE THE MAN who offers you something for nothing a wide berth.—Grand Junction Globe-Free Press.

HANDWRITING ON the wall usually means there's a child in the family.—Decorah Journal.

"Phone me again if there's no change after the school bus goes by."

NEW 10-lb. BLOCK

Teaches chicks to eat; helps them grow!

Here at last is an easy, inexpensive way to give your baby chicks the benefits of milk nutrients right from the start. Semi-Solid "E" Emulsion in the new Chick Pack protects your chicks through the critical first days of brooding.

These handy chick-size blocks fit right around the hover—won't dry out even in heated brooder houses. Gleaming yellow color attracts chicks and teaches them to eat. And when your chicks eat "E" Emulsion they're peppier, because they get the chick energy of Hidrolex. They're protected because "E" Emulsion is fortified with B-complex milk vitamins, the "whey factor" for growth and extra vitamins A and D. Buttermilk in "E" Emulsion tempts appetites, tones chicks digestive systems.

Order a supply of Chick Blocks when you buy your chicks. Get both the new 10-lb. block and regular 25 and 50 lb. Semi-Solid "E" Emulsion blocks from your hatchery or feed store.

Helps Solve These Brooding Problems

TEACHES CHICKS TO EAT!

Chicks start eating as soon as they spot the "E" Block. Whets their appetites for mash, too. Hidrolex supplies quick energy to "kick off" growth.

TONES DIGESTIVE SYSTEM

Hidrolex sugars go right into the bloodstream. Lactic acid and soothing milk solids clean out intestines and start them functioning right.

PROTECTS HEALTH

"E" Emulsion is fortified with extra vitamins. Hidrolex sugars provide energy to keep resistance high. Blocks keep chicks busy—discourages toe-picking, cannibalism.

SEMI-SOLID
"E" EMULSION
WITH
HIDROLEX®
®TM for Hydrolyzed Whey

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Help Your Layers Resist These Set-Backs

Hunger Strike!

Hens tire of the best mash after months on the same diet. Keep feed intake high by feeding "E" Emulsion as an "appetizer." Its tart buttermilk and sweet Hidrolex keep 'em eating.

Wearing Herself Out!

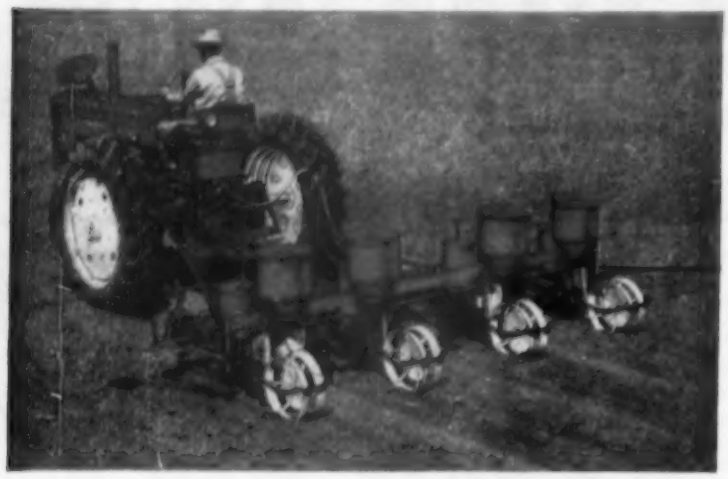
It's your best layers that "go light" unless you provide the extra nutrition to sustain their extra production. Milk nutrients in "E" Emulsion provide the "margin of safety."

Hatchability Headaches?

"E" Emulsion is rich in reproductive Vitamin E, Vitamin A for hatchability, and Vitamin D and milk calcium for strong shells. Surveys show 10% higher hatchability from "E" fed flocks.

THE better the planting, the bigger the harvest. And you will plant better . . . for a bigger harvest . . . with a faster, more accurate John Deere No. 290 or No. 490 Tractor Corn Planter.

Here are two modern planters that bring you a perfect balance of higher speed and greater accuracy to save days of precious planting time . . . give you far better stands that result in bigger yields, bigger profit. Both the No. 290 two-row and the No. 490 four-row check-plant at 5 mph, drill even faster. Both offer unequalled accuracy, resulting from the combination of John Deere sloping hopper bottoms and Natural-Drop seed plates that count out and release the correct number of kernels . . . plus special high-speed valves that trap and deposit seed in a compact group to assure well-bunched hills and a good cross-check.



These outstanding planters bring you such features as independent planting units that follow the lay of the land for even-depth planting . . . delayed action drop which prevents plugging of runners . . . automatic markers, automatic wire release, large seed cans with easy-to-see seed gauges, and many others that will save you time, make every planting job better. You'll get a more complete story, however, by seeing your John Deere dealer. Stop at his sto. soon, and get all the facts on the unmatched John Deere No. 290 and No. 490 Corn Planters.

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SHORT TURNING TRACTOR AXLE

LOW IN PRICE: Fits 31 models, old and new tractors . . . converts row-crop to wide-front tractor. Very heavy Timken bearings, bronze bushings and tie-rod ends. Easily changed from one tractor to another. THOUSANDS IN USE . . . FULLY GUARANTEED. Easy to install—VERY SHORT TURNING! See your local implement dealer or write today for FREE illustrated literature. State make and model tractor.

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SEARLE Farm Duty LUBRICANTS

FULL HYDRAULIC rubber tire farm discs. Regular price $585, demonstrator or shop worn 1954 models, 8, 9, 10 foot, $360. Write or phone. KINGTON MFG. COMPANY, ROSEVILLE, ILL.

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CORN MAKES GOOD. Explanation on request. MT. VERNON, IOWA

CERTIFIED LANCASTER BROME for sale. 25c per lb. ORVILLE STEVENS, R. 1, BEATRICE, NEBR.

Voice of the farm

Fair To Younger Farmers?

To the Editor: A young farmer 21 years old has to pay social security for 44 years. A man 60 years old pays 5 years. Is that fair to the younger farmer?

It seems to me he has a hard time getting started without this extra expense. — J.C.N., McLean county, Illinois.

A young farmer will get protection for his wife and children in case anything happens to him while the children are growing up. Even if he has to pay 44 years on his annuity, he and his wife will get it all back in five years after he is 65.—Editor.

"Read From Cover To Cover"

To the Editor: We enjoy your publication very much and feel it is the fairest farm publication in giving unbiased opinions and discussions of important farm problems and legislation. We read Wallaces' Farmer and Iowa Homestead from cover to cover. —Claude C. Marr, Thurston county, Nebraska.

"Sick Of Your Editorials"

To the Editor: I sure get sick of your pinkish, downright red editorials!—Donald D. Duncan, Andrew county, Missouri.

"Just Poor Farmers"

To the Editor: Some farmers are wild about social security. I think they are just poor farmers. . . . Social security is no good for farmers or anyone else. All this social security is taking the money out of one pocket and putting part of it back in the other—with a big depreciation.

If these poor farmers believe in that kind of stuff, they sure are easy to mislead.

I cannot see any young farmer paying social security for 45 years when he could do so much with his money that would do a lot of good before he gets to be 65 years old.—L. Stortz, Allamakee county, Iowa.

What Is "Good Education?"

To the Editor: In the article, "Who Educates Your Kids?" of the February 5th issue, appears a statement which I find a little puzzling: "As school size increases, the quality of education improves."

By whose or what standards is this quality judged? Many factors which professors of education regard as improvements are considered drawbacks by liberal arts people.

I'm sure it would be fine if we could all agree on the meaning of good education. Or would it? By the way, has any expert decided how many people should live in a state to assure improved quality of government?—Robert Klotzbach, Clayton county, Iowa.

"Renting For 32 Years"

To the Editor: We have been renting farms for 32 years . . . we try to be honest and fair. But there are some renters who don't do what is right any more than do some landlords. Let's look at both sides.

We have moved into places where people were angry with the landlord. And the work we found! Pipes frozen up, tanks filled with manure, papers stuck over windows, things so dirty you could not find a clean place to put anything down!—Farm Wife, Hardin county, Iowa.

He's For Farrowing Stalls

To the Editor: Wallaces' Farmer and Iowa Homestead is my pet farm paper as it has so many helpful articles in it. I read your article about farrowing stalls.

Last fall my partner, Bob Byers and I . . . were at the Iowa State Fair where we won a blue ribbon with our demonstration called "Building and Using a Farrowing Stall."

A pig at birth is worth $7 . . . so we think the use of stalls is a must. Our estimated cost of materials for a full size stall was about $15. . . . .

I am 14 years old. My partner is 15—Jack L. Robinson, O'Brien county, Iowa. (Picture shows Jack, left, and Bob giving farrowing stall demonstration.)

On Seablom's Letter, He Says "Amen"

To the Editor: Since you asked for comments on Mr. Seablom's letter in your January 15th issue, I wish to say "Amen." I agree with every word of it.

It seems Wallaces' Farmer's policy is to agree with everything President Ike says and does and violently disagree with Secretary Benson.

It is my opinion that when any farm paper which pretends to be a champion of the farmer, slants the news and distorts the facts of crop and livestock controls, appeasement of communist and socialized security, yet fails to point out the price to be paid for the same, it has defeated its purpose.—Bill Kirkwood, Moultrie county, Illinois.

According to the Wallace-Homestead Poll, 54 percent of Iowa farmers think President Eisenhower is doing a good job and only 18 percent think Secretary Benson is doing a good job. Wallaces' Farmer and Iowa Homestead is inclined to agree with Iowa farmers on this.—Editor.

Give Knowland A Passport

To the Editor: Give the warmakers hell! Tell Senator Knowland if he wants to fight anyone, to get himself ready, shootin' irons and all and we'll give him a passport in any direction he wants to start.—C. C. Carrier, Christian county, Illinois.

"Keep Up The Good Work"

To the Editor: The more articles you can publish that will help make work more efficient, easier, pleasanter and more profitable, and more ways of cutting expenses and reducing wastes for your readers, the more popular and appreciated your magazine will be. Keep up the good work.—Harry B. Price, Linn county, Iowa.

We asked several thousand of our readers, "What more can we do for you in our second 100 years?" Mr. Price's excellent suggestions give us something to live up to.—Editor.

Do Something About Hog, Egg Prices?

To the Editor: After a day of hard work, tired or half asleep, I sit and clean eggs for an hour or so. And what do I get? Twenty-four cents a dozen for the best eggs, and less for the rest.

My husband works his fool head off trying to get his hogs to market at the highest price. When he has them where he thinks they are ready, he takes them to market. Next thing he hears: "Sorry, Mister, your hogs are five pounds over top grade which means a 30-cent cut." But what do we pay at the butcher shop for meat from that overweight hog? Just the same price we pay for the top meat.

I wish the government would do something about this instead of giving social security to guys that own a couple of farms and a house in town—and still draw social security.—Mrs. H.C.W., Butler county, Iowa.

IN THREE YEARS TRIPLES INCOME FROM 70 ACRES WITH P.L.U.*

*PLU means Practical Land Use. Practical Land Use means the application of all the skills and knowledge that produce the most from each hour and dollar you spend on your Farm.

Mr. & Mrs. Calvin Cook of Maquon, Illinois show 1952 Governor's Award Mr. Cook received for outstanding achievement in Soil Conservation.

Calvin Cook of Maquon, Illinois knows Practical Land Use works—here are the figures to prove it:

1st Year	2nd Year	3rd Year
Spent.....$745	Spent.....$785	Spent.....$417
Income.....$1217	Income.....$2325	Income.....$3932

Here's what Mr. Cook did:

The 70 acres Mr. Cook bought in 1947 were badly run down. There were 14 ditches that a tractor couldn't cross. Since Practical Land Use had helped him on the 248 acres he already owned, Mr. Cook put it to work on the new land.

Income tripled in three years!

The first year, Mr. Cook's Practical Land Use plan recommended he fill in the ditches and shape them into waterways. He also limed the land with 2½ tons per acre.

More bulldozing work, leveling, filling in, and terracing was done the second year. The land was fertilized with 200 pounds of 0-46-0. Income from crops almost doubled over the first year.

The third year the remaining ditches were filled in. Terraces held the water where it did the most good. Erosion was halted. Crops thrived. Income tripled over the first year.

A balanced program

Mr. Cook's Practical Land Use plan will eventually turn these 70 acres into a balanced livestock and grain operation like his main farm. Livestock will be added. Mr. Cook prefers hogs and a dairy herd. Like his main farm, his fields will be hog-tight with woven wire. He's a Red Brand booster, too. He has Red Brand fence that's been on the job 15 years and it looks good for another 15. Mr. Cook will tell you that being an award-winning farmer with greater income and security takes no more work than ordinary farming—not with a Practical Land Use plan.

Find out about Practical Land Use for your farm. Your Red Brand fence dealer can give you the details. He'll show you the book, "Willing Acres" which tells you the Practical Land Use story—what it is, how it works. You're under no obligation. See your Red Brand Dealer soon.

Ask your Red Brand Dealer for a copy of the Practical Land Use Broadcaster. It's filled with interesting stories about PLU farmers and how they've solved their problems with better farming methods.

And listen to the Practical Land Use radio programs every week. See your local newspaper for time and station.

See your Red Brand Dealer for Red Brand fence, Red Top Steel Posts, and new Red Brand Barbed Wire. It's a good looking fence combination, and the longest-lasting fence. It's Galvannealed for super protection against rust. Longer life means lower costs. Insist on the Red Brand.

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It will pay you to investigate the profitable custom work that awaits the farmer with a Badger Trencher. Write today for complete information. It's FREE!

- 7 to 24 inch widths.
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- Automatic Grade Holder.
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- Reversible cross conveyor deposits spoil on either side.
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A complete line of Trenchers, Shovels, Diggers and Loaders; self-powered or power take-off for truck, crawler tractor, or regular tractor.

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FOR CHEAPER FAT-GAINS

A balanced blend of necessary feeding ingredients — *plus* MORE MOLASSES — that's "Sweet as Honey." These rich, sweet, easy-to-use pellets draws 'em to the feed bunk. Makes 'em eat more . . . GAIN MORE!

ALL "SWEET AS HONEY" CATTLE FEEDS AVAILABLE WITH "STILBOSOL" (Diethylstilbestrol Premix, Lilly) ADDED

WELCO FEED MFG. CO., Inc., Spencer, Iowa

Illinois views split order

How Illinois is taking USDA order to divide Farm Bureau, extension

Iowa and Missouri legislatures, with approval of extension and Farm Bureau, are planning on new legislation to carry out the directive of Secretary Benson to split extension and Farm Bureau. Nebraska, Minnesota and most other states have already acted. Illinois so far is the only hold-out. In this article, George Thiem, agriculture editor of the Chicago Daily News, tells how Illinois farm people look at the problem.

COUNTY Farm Bureau and Illinois extension leaders are resisting efforts to break up their 40-year old cooperative agreement.

They are looking the other way at Secretary of Agriculture Benson's recent directive.

Benson declared that federal employees may not accept salary, office space or travel money from any farm organization.

But Prof. William G. Kammlade, Illinois associate director of extension, says there's nothing in the Smith-Lever Act, or the cooperative agreement between the Department of Agriculture and the land grant colleges that says a county farm or home agent is a federal employee.

In Illinois, County Farm Bureau and Home Bureau boards hire the extension agents, subject to approval of the University of Illinois executive director.

Illinois' 99 County Farm Bureaus with 206,000 members are investing about $1,600,000 annually of farmers' money in the extension program.

The state and federal governments combined contribute slightly more than this. The federal money is a grant to the states. The only string attached is that the state extension director tells the Secretary of Agriculture how the money is being spent and results obtained, says Kammlade.

The county agricultural adviser (county agent) draws about $2,100 a year from state and federal funds. This doesn't pay half his salary in most counties. In contrast, farmers are putting up from $10,000 to $25,000 per county and more from their $15 annual dues, to provide salary, offices, automobiles, clerical hire, travel and other expenses.

Farm Bureau boards feel that the Illinois system is superior. It puts a big farm organization squarely back of the county farm adviser.

What about the farmer who doesn't belong to the Farm Bureau? Is he being short-changed?

Kammlade and the Farm Bureau leaders say "No." Any farmer can call for help and get it. The adviser is under orders to serve anyone. They allege that 4-H club boys and girls come from both member and non-member homes. They add, however, that few farmers are non-members because of the extra benefits that come from joining.

What is likely to happen in Illinois?

Nothing right away. But pressure is developing from several sources. Rival farm organizations—the Farmers Union and the National Grange—are demanding that the state and federal governments take the county agricultural adviser out of the Farm Bureau office. Wholesale and retail merchants want this to happen, too.

Congressional action putting further limitations on federal grants for extension work would hasten the divorce.

Action by the Illinois General Assembly, too, would change the situation. Both are being considered.

Ralph S. Bradley, president of the Illinois Farmers Union at Springfield, says his organization is readying a bill for the current session of the legislature. He didn't indicate what form it would take except to say it would prohibit payment of state funds to county farm advisers when they office with or receive funds from a private farm organization.

The chances of such a bill passing this session are slim.

A hard question immediately rises. If the $1,600,000 contribution of Farm Bureau members to extension is withdrawn, where will the money come from?

A local tax on property levied by county boards of supervisors might be possible. Governor Stratton and the General Assembly would frown on an added state appropriation at this time when tax revenues are shrinking and demands increasing everywhere for more spending.

Organized feed dealers, fertilizer and possibly seedsmen would like to see a separation of the Farm Bureau and the extension service for obvious reasons. The county adviser often has been a potent force in organizing farm groups for wholesale buying that compete with private business enterprises.

If the issue is forced, it's quite likely that many county Bureaus will renounce government grants and maintain their own soil and crop expert. Some Farm Bureau members feel that strongly about it.

The Illinois Agricultural Association (the state Farm Bureau) is interested but has taken no "official" position. In the past, the I.A.A. has opposed legislation that would terminate the relationship. It may do so again.

"What's so new about this do-it-yourself craze?"

Many Cows Fail To Breed

Failure to breed is the most common health reason for culling cows on Iowa Dairy Herd Improvement farms. More than 11 percent of the culls were removed for that reason.

Next in order is mastitis. More than 10 percent of the culls were removed because of that disease. Brucellosis was third as the cause for removals with 3.8 percent.

All health reasons together accounted for 34.1 percent of the cows removed from herds says Floyd Arnold, Iowa State College extension dairyman. Low milk production accounted for 34.3 percent of the removals.

Arnold points out that cows which have to be removed from herds before they are four years old make no money for the dairyman. Production up to this time is required to pay for the cow.

How To Save Chilled Lambs

Chilling is the biggest single factor in baby lamb losses, says Eugene Francis, Iowa State College sheep specialist. Prevent chilling if possible by giving ewes a good warm shelter.

Chilled lambs usually die. But you can prevent some of the losses.

Place the chilled lamb up to its head in water as warm as your elbow can stand.

When the lamb becomes more lively, take it out and rub briskly with coarse cloth until it is almost dry.

Next the lamb should be fed. Then wrap all but its nose in a thick blanket or cloth, and put in a warm place to rest.

It can be returned to its mother as soon as it becomes strong.

New Variety Of Orchardgrass

A new variety of orchardgrass has been developed by the United States Department of Agriculture.

The variety, named Potomac, is expected to be recommended for Iowa and Illinois as well as some eastern states.

Potomac has more rust resistance than standard varieties. It is more hardy and leafy than many varieties. And it stands up well after clipping or grazing.

Seed has been released to experiment stations for increase. It is not available for farm seeding this year.

You'll like it —

GREEN FEEDING

from field to feedlot in minutes

Beef and dairy cattle never had it so good. The Forage Harvester brings "pasture *to* the cow" — fresh cut daily — as well as providing a bountiful supply of high-carotene silage.

You can chop green feed for your herd in a few minutes with your own Allis-Chalmers Forage Harvester . . . *without touching a pitchfork.*

A self-feeder wagon lets cattle help themselves. They no longer run off weight hunting for feed. Every acre produces more milk and beef with less outlay for costly protein feed. Result: more green folding money for YOU.

You can harvest protein-rich feed in strips like rotation grazing . . . *without moving a rod of fence.* Forage fields recover faster, with no hoof damage or over-grazing.

Your own Forage Harvester, with new Easy Change SLIDE-LOCK attachments, makes green feed or silage from almost any forage or row crop that grows.

Safeguard your herd with an abundant feed and bedding supply. Field-chop it fast . . . Allis-Chalmers style!

The **FORAGE HARVESTER** *takes a wide-flow stream straight through its 3-foot spiraled cylinder. Rugged Power-Curve knives cut and throw big tonnage; are power-sharpened uniformly right in the machine.*

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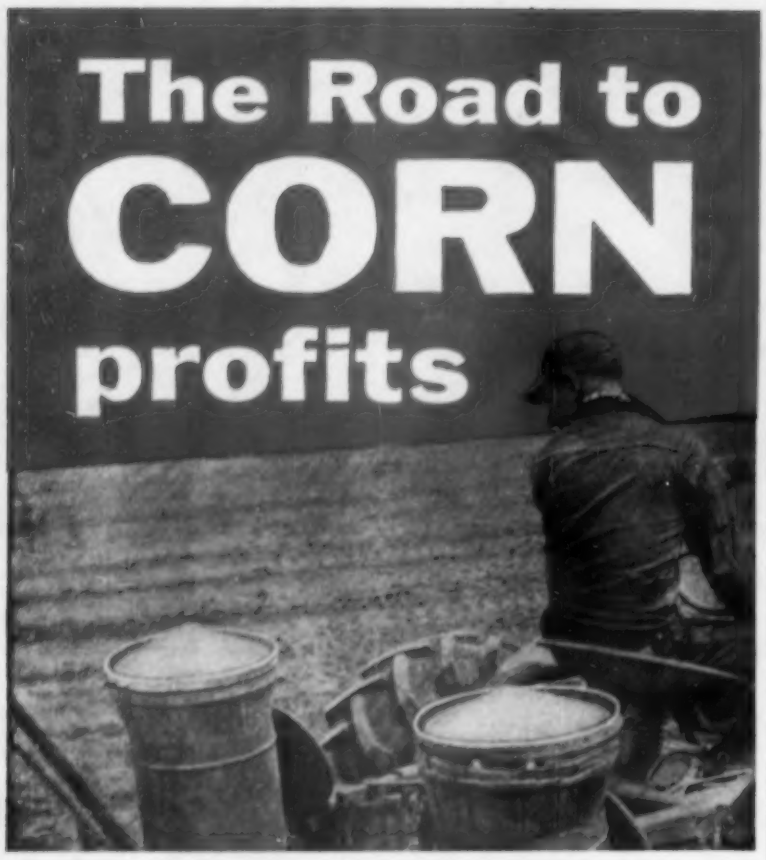
FORAGE HARVESTER

The Road to CORN profits

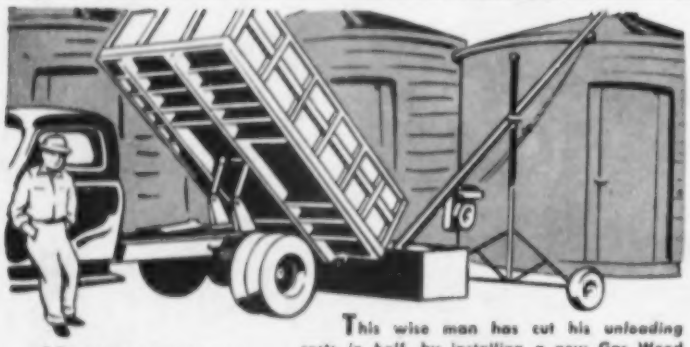


The road to big-profit corn yields is wide open. Successful farmers who travel it every year know there is no other yield booster to compare with plenty of V-C Fertilizer. Greatly increasing the per-acre application of V-C Fertilizer adds many extra bushels at low cost. This means a higher return from land, labor, machinery and seed.

Start your corn on the road to profits by feeding it enough V-C Fertilizer to nourish a thick, strong stand of vigorous, high-yielding plants. V-C Fertilizer is a rich, mellow blend of better plant foods, scientifically-balanced to supply the nutrients your crop needs to turn the abundant yields that pay you big profits.

It pays to use V-C Fertilizers for every crop you grow! Ask your V-C Agent about two, new, high-quality V-C plant foods:

V-C PROLIFIC Plus-Value Fertilizer and V-C Granulated 47% Triple Superphosphate



How can you MAKE MONEY any easier!

This wise man has cut his unloading costs in half, by installing a new Gar Wood "Strong-Arm" farm hoist on his truck. Now he unloads crops, feed, fertilizer, etc., in seconds, without extra help . . . has more free time for recreation. You can, too. See your truck dealer or write for free folder today.

GW-F-1

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Aluminum pipe is used in irrigation system on the George Ruth farm in Monona county, Iowa. Pictured are Don Ruth and Ed Long.

Rotating sprinkler head is mounted on riser.

What irrigation equipment?

Don't buy in a hurry! Learn all you can about available equipment

An article in our last issue discussed the question of whether or not irrigation could be practical and profitable on your farm. Now, if you're going to irrigate, what kind of equipment should you use? Here's advice from Ted Willrich, agricultural engineer at Iowa State College.

BUYING irrigation equipment isn't as simple as buying most other farm equipment. That's because each irrigation system should be individually designed.

Size, shape and topography of the field to be irrigated, location and type of water supply, soil type and crops to be grown all affect the type of system to be used.

Any distributor of irrigation equipment will be glad to help you in selecting equipment. So look over the equipment offered by several companies.

Here is some of the equipment you'll need—and some of the things you should know about it.

PUMPS. Centrifugal and turbine pumps are the two types most commonly used for irrigation.

The centrifugal pump is well adapted for low lifts. It is used for pumping out ponds, streams and shallow wells.

The turbine pump is advisable if water must be pumped from a deep well—and when water must be lifted more than the practical 15-foot limit of a centrifugal pump. The turbine pump can be used in well casings only six inches in diameter.

POWER UNITS. The gasoline engine is the most commonly used power unit in Iowa irrigation systems. Be sure to get an engine that's big enough. It should not be operated continuously at over 75 percent of its maximum load. Water-cooled engines are more efficient and less subject to breakdown than air-cooled engines.

For supplemental irrigation, the farm tractor may be a practical power unit. Many makes of centrifugal pumps can be operated from the tractor power take-off. However, field work usually is at its peak when irrigation is needed most. You may need the tractor on another job.

What about diesel power? Most Iowa irrigation systems are not used enough to justify the extra cost. Cost of operating a diesel engine becomes cheaper than for a gasoline engine only when the annual use exceeds 800 to 1,000 hours.

Electric motors make good irrigation power units — due to compactness, high efficiency and low cost of upkeep. But they're less satisfactory than gasoline engines if you're using a portable pump and power unit.

Better check with your local power supplier before you buy an electric motor of more than five horsepower rating. Be sure wiring, transformers and switches can take the load.

DISTRIBUTING SYSTEMS. The sprinkler system is most practical on most Iowa farms—because surface irrigation is possible only on flat areas.

Lightweight metal pipe, usually aluminum, is used to carry water from the pump to sprinklers. Some galvanized iron pipe in larger sizes is being used.

Because most irrigators prefer

(Continued on next page)

Irrigation equipment

(Continued from last page)

a portable system, the main line pipe is available in sections with quick couplers for ease in assembling and taking apart. Outlet valves are included in the main line for connecting lateral lines.

Of the two types of sprinkler equipment available, the rotating sprinkler head is preferred to the perforated pipe. Tall crops interfere with water distribution when perforated pipe is used. Rotating sprinkler heads, on the other hand, are mounted on risers so that jets from the sprinkler are above crops.

LABOR SAVERS. Toughest job in irrigating corn is moving pipes from one setting to another thru tall corn in ankle-deep mud. Some equipment has been developed to cut down on labor required for this job. Several companies have developed "tractor tow" and "wheel move" equipment for that purpose.

With the tractor tow, a lateral line is fastened to the tractor drawbar and rolled on wheel mountings from one location to the next. This cuts down hand labor. But it requires a lot of room for maneuvering.

In the wheel move system, lateral lines are supported by wheels at 20 to 40 feet apart. A ratchet or motor drive permits one man to move as much as 40 rods of pipe on level land. As yet, no equipment company has perfected a high clearance wheel move system for irrigating corn.

Another system for reducing hand labor involves the high-clearance, self-propelled unit which revolves in a circle as the field is watered. So far, only one system of this type has been installed in Iowa. Further observation may prove this system to be highly practical.

Some Iowa irrigators reduce labor by using the "big gun" sprinklers. They can throw streams of water 150 feet or more. And one setting will sprinkle as much as an acre. However these sprinklers require more power. Normally, they are operated at 100 to 200 pounds of pressure.

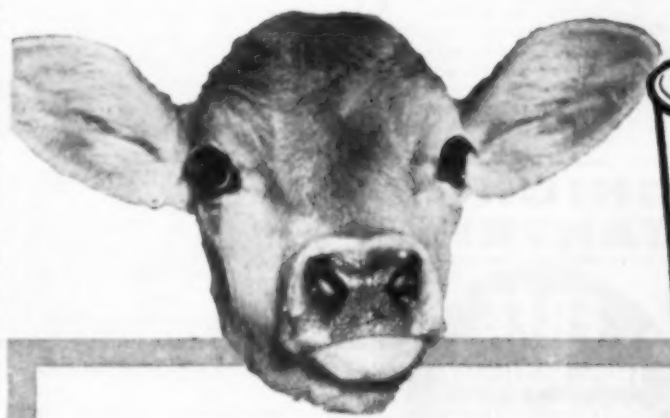
All this boils down to the fact that in buying irrigation equipment you need to know something about economy and efficiency of operation. So to get the most out of your irrigating system, here's some advice to consider before you buy.

1. Get irrigation plans from competitive companies. Each company will gladly send out an irrigation engineer to help you design a system. Then you can choose.

2. Get advice from impartial persons who have some irrigation experience — farmers who have irrigated, extension workers, soil conservation experts.

3. Buy your entire irrigation outfit — pump, power unit, pipe, etc.—from the same dealer. Then he can assume responsibility for performance. On the other hand, if you buy equipment "piece-meal," you'll find yourself without a warranty on the performance of the irrigation system as a whole.

Get a FREE GIFT!



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JUST BUY KAFF-A IN THE WASTEBASKET PACK AT THE REGULAR PAIL PRICE.

Carton contains—24 quart wastebasket—25 lb. pliofilm bag—measuring cup—feeding instructions.

®T. M. for exclusive hydrolyzed whey ingredient in Kaff-A.

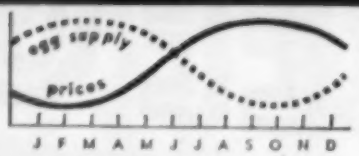
EXTRA INCOME FROM BEEF OR VEAL RAISED WITH KAFF-A

Iowa dairymen and livestock farmers are finding that bull calves and heifers not needed for herd replacements can furnish a needed source of extra income by raising them on Kaff-A and selling them as veal or baby beef.

Alvin Charlson (top) raised this white-faced calf from birth of 75 lbs. to 135 lbs. in two months on just one 25 lb. pail Kaff-A, 19 lbs. ground corn cob, hay, salt and water.

John Gerholdt, Jr. (bottom) started five calves on Kaff-A "without a sign of scours." He says, "Calves really like Kaff-A and it's easy to eliminate labor by feeding it on top of grain in dry form."

GET MORE EGGS WHEN PRICES ARE HIGH



"TIMED-MARKETING" means PROFIT-marketing for your poultry operation. The graph above shows yearly egg fluctuations in comparison with the fluctuating price market. Egg PRICES are UP . . . when the Egg SUPPLY is DOWN. VICTOR CHICK STARTER can help you have peak egg production during the months when prices are high. That means a profit for you in eggs . . . when others are just "getting by."

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VICTOR CHICK STARTER furnishes your chicks with correctly balanced amounts of all the nutrients essential to high chick livability and vigor . . . for fast growth and early development into good layers.

Feed your chicks *proved-on-the-farm* VICTOR CHICK STARTER starting now . . . and feed the VICTOR program ALL the way from chick to layer. It's the money-making way.

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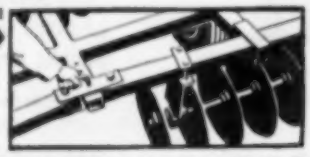
KRAUSE wheel mounted tandem disc harrow

TO MASTER the toughest jobs – and help you do all harrowing faster and better – here is the Krause Tandem Disc Harrow. Wheel-mounted for easy moving and precise depth control, it pulls easier and covers more ground behind any tractor. Precise leveling and disc angle adjustments give you unequalled control – for smooth, level, uniform depth seedbeds. Tractor or hand hydraulic or easy manual lift speeds every job. Heavy-duty construction, with square box frame and oversize metal bearings, keeps your Krause at work for many years with minimum upkeep, outlasting several ordinary harrows. Heavy-duty scrapers or trash guards optional. Models for every farm and soil, with discs from 16" to 22" size.

EASY to set, simply pull pin . . . adjust angle.



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SAVE YOUR LIFE!

It's easy to become careless when you're in familiar surroundings. True story below is reported by Norval J. Wardle, Iowa State College safety specialist.

CHORES on the Frank Edwards farm were a family project. Frank and his older son, Ted, often had chores started when Don, the younger son, got home on the school bus.

Don was an active FFA member and often brought home new ideas to spring on his father and older brother Ted.

Often, Ted's first reaction was to scoff at Don's ideas from the standpoint of his superior years and experience. Latest of Don's ideas was to build a railing around the hay chute in the barn. Don had been hearing about farm safety in school.

On a late winter evening, Ted was discussing Don's latest idea as he and his father started chores. The school bus had come, but Don was still changing clothes.

"Now I enjoyed those classes when I was in high school. But I don't know whether they really did me any good. The thing to do is to get to work on the farm and really learn how to farm. Anyway, there's so much work to do here that if all three of us worked all the time we'd barely get it done."

As they entered the barn, Ted continued. "Now take Don's idea about this hay chute." Ted stopped on the ladder as his dad went down the alleyway.

"He thinks we ought to build a guard on the hay chute clear up to the top of the barn. Why, that's silly. It'd be in the way. No one's going to fall down the chute. We all know it's there." Ted then disappeared on into the loft above.

"Here comes the hay." It was Ted calling from above. Then—"Look out!" There was a crash, and Ted landed on the floor below the hay chute.

Ted wasn't hurt severely. He was only lame for a few days. But he was convinced that Don's idea of putting up a hay chute railing was not too bad. They did get it up that following week.

Have you checked around your farm? Locate the hazards which may cause accidents. Then remove them.

"Just thought you'd like to know your bull is out."

MORE DOLLARS in Bigger Yields for only PENNIES per acre!

Hansen's Inoculator for Soy Beans and All Other Legumes

The photo above shows (left) soy bean growth from seeds inoculated with Hansen's and (right) growth from seeds not inoculated but planted at the same time and place. Here's proof that Hansen's Inoculator puts live, active, nitrogen-fixing bacteria to work . . . grows healthier, larger plants with better root development and more nodules. Hansen's Inoculator averages less than 20¢ per acre in cost . . . yet boosts soy bean yields as much as 20 bushels per acre. And the soil is actually enriched for the crops that follow, enabling you to make savings on fertilizer. Yes, Hansen's Inoculator is what you need for bigger profit yields of soy beans and all other legumes. At better dealers everywhere.

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LOOK FOR THE HANSEN BANNER

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PROTECT YOUR HEALTH & YOURSELF
NEW AND IMPROVED
AUTOMATIC TRACTORKAB

Year round protection in all kinds of weather. Built of durable gleaming aluminum over a sturdy steel frame. Equipped with hinged windshield and bus type sliding side windows of shatter proof glass. Inside dimensions approximately 47" long x 43" wide. Improved all round visibility. Models available to fit most all makes row-crop and standard farm tractors.

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AUTOMATIC EQUIPMENT CO.
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Lightest of all one-man gasoline chain saws. Powered by a 2-cycle engine that mows through the largest timber. Ask your dealer about the special low cost! Or . . . write for bulletin to—

WEIGHS ONLY 20 LBS.

$195 F.O.B. Factory

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McCulloch CHAIN SAW

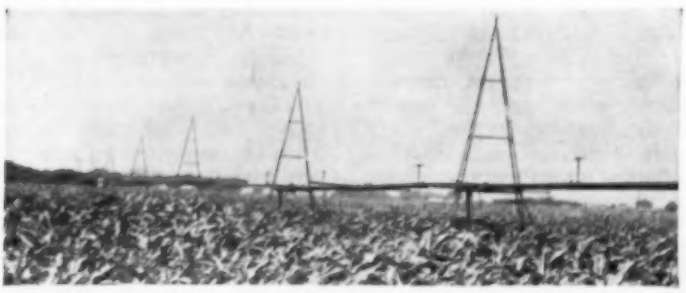
What's New

For further information about any of the products shown here, write to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. (More "What's New" articles for farm and home will be found on page 114 of this issue.)

Four-plow tractor is said to be new from the ground up. Has eight forward speeds, two reverse. Diesel or gas engine. Eagle hitch and duo-valve hydraulic system. This new tractor of the "400" series is announced by J. I. Case Company.

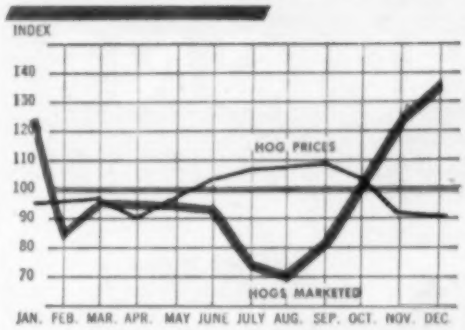
Cover for ironing board is said to be scorch and stain resistant. Wipes clean with damp cloth. This cover presses the bottom of garment when you iron top. Made by Magla Products, Inc.

New auger is shown in vertical operation. This auger with six-inch steel tube is said to move any dry material not larger than baseballs. Various lengths from 11 to 41 feet. Designed to be used as overhead conveyors, vertical conveyors, and truck loaders, either as temporary or permanent installations. Announced by Mayrath, Incorporated.



Sprinkler irrigation is the new method for getting water to crops. In the western dry country, permanent sprinkler installations are common. This portable unit is designed for midwest use. It revolves automatically from water pressure in the pipes. Here it's watering 40 acres from a single setting on the William Thiele farm, Platte county, Nebraska. Announced by Valley Manufacturing Company.

HURRY YOUR HOGS TO MARKET WHEN PRICES ARE HIGH



Relative Number of Hogs Marketed and Prices Received By Months

EARLY GAINS ARE CHEAP GAINS

THAT'S WHY YOU SHOULD FEED

VICTOR PIG PRE-STARTER and STARTER

The time to get your pigs headed for best market weights when prices are high . . . is *right from the start.*

It's vital that your pigs are at peak weights at weaning time. But you can't depend on the sows' milk to do the job. So — get your pigs on VICTOR PIG PRE-STARTER *fast.*

Many hog raisers put their pigs on VICTOR PIG PRE-STARTER as early as 5 to 7 days after birth. Your pigs will be eating well by the time the sows' milk flow drops off. And you are protected against expensive setbacks. It means earlier weaning, too — which is important.

Then—shift to VICTOR PIG STARTER . . . and you're on your way to a money-making year.

VICTOR PIG PRE-STARTER AND VICTOR PIG STARTER contain essential nutrients in scientifically balanced amounts to put fast, quality, low-cost gains on your pigs. And, because VICTOR PIG PRE-STARTER and VICTOR PIG STARTER are so appetizing—your pigs will love them.

Decide now to feed your pigs VICTOR PIG PRE-STARTER and VICTOR PIG STARTER . . . and feed them the VICTOR way ALL THE WAY to market weight! See the VICTOR dealer near you, TODAY.

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ASK YOUR VICTOR DEALER . . . OR WRITE DIRECT TO US

LOOK FOR THE NEW GREEN VICTOR BAG

VICTOR FEEDS

THE CRETE MILLS CRETE, NEBRASKA
Division of the Lashoff Grain Co.

Made by the Makers of

CHAMPIONS

This pen of Honegger Leghorns topped the 1952-53 California Net Earnings Test with $7.90 per bird egg income above feed cost in 50 weeks!

A portion of the Honegger 600 Acre Research and Practical Test Farm which is also the site of the nation's largest U. S. Certified Hatchery.

Big "H" Feeds are developed and fully tested, to give the utmost in performance, by the same people who are the breeders of America's most outstanding egg and profit producer . . . the Honegger Leghorn. Here's what this means to you:

Honegger Big "H" Poultry Feeds are developed to give you the lowest possible feed costs. Honeggers do this with their knowledge of the exact nutritional requirements of poultry for topmost performance.

Big "H" Poultry Feeds include in their formulas everything that has been proved to be of value . . . in starting chickens fast . . . in developing birds to maturity with low mortality and excellent body structure . . . and then, egg mashes for highest egg profit.

Complete Feeding Programs for your every need . . . utilizing your own grains or complete mashes . . . in pellets or in free-choice mash . . . complete feeding programs developed from the beginning **by poultrymen for poultrymen!** Honeggers' have been in the poultry business for a quarter of a century and **annually sell millions of chickens in all 48 states!**

See any of the 90 Honegger associate hatcheries or one of the hundreds of Big "H" feed dealers for BOTH Big "H" Feeds and Honegger Leghorns. DO IT TODAY!

HONEGGERS' BIG H FEEDS

FEED & MILLING DIV. FAIRBURY ILL. - BREEDER HATCHERY DIV. FORREST ILL.

More questions about farmers'

Social security

HOW will the new social security law affect me? That's the question farmers want answered.

Each case must be judged on an individual basis. But a few answers will fit all cases.

If you are in doubt about your social security coverage, ask your social security fieldman or your Internal Revenue representative. They will be able to help you.

Here are answers to questions that apply to all people that are covered by social security:

When will I have to get my social security card?

If you are a farm worker, you will need to have your social security card and number as soon as possible after you go to work. If you expect to do farm work later, you could get your card now.

If you are a self-employed farm operator, you will need a social security card before you mail in your first social security tax payment. Get it now, and you'll have it when you need it.

How can we get a social security card?

Your local postoffice has application blanks for a social security card. He can give you the address to mail the applications. The social security cards are free.

When I get to be 65, will I automatically start getting my social security benefit?

No. You must apply for the social security benefit.

My husband is 10 years older than I am. If he retires at age 65 and gets his monthly benefit, will I get a benefit before I reach 65? And if he died before I am 65, will I get a benefit?

No. You will get a benefit equal to half his monthly benefit after you are 65. If he dies before you are 65, you won't get a benefit until you reach 65. Then you will get a benefit equal to three-fourths his basic benefit. However you will have to make application for your benefit when you are 65.

Will I have to furnish proof of age when making application for my social security benefit?

Yes. You will need some document that will prove your age. Acceptable proof of age includes any of the following: birth certificate, infant baptism certificate hospital birth record, family Bibles, naturalization papers, immigration papers, armed forces discharge, school records, or an old insurance policy that shows date of birth or a fraternal record certified by the custodian.

When a farmer retires and gets a social security benefit, his wife gets a benefit after she is 65. Are the husband's and wife's benefits issued in one check, or do they each get a monthly check?

You will get a check each month for your benefit, and your wife will get a check for her benefit.

Will we send the social security tax withheld from our hired man's wages to the Internal Revenue department at the end of each quarter as in the past?

No. You will send the social security tax to the Revenue department when the tax you have withheld from your worker's wages plus your two percent contribution equals $100. Each time the total reaches $100, you will submit it to the Revenue department. If you have a total annual payroll of $2,500 or less, one report each year is all that is required.

I usually hire a semi-retired farmer neighbor to work for me during planting and harvesting seasons. Will I deduct social security tax from his wages?

Yes, if you expect to pay him as much as $100 in cash wages for the year. If he earns $100 per year from you, he will get one quarter coverage for social security purposes.

He wouldn't get credit for social security retirement if he earned $50 from you and $50 from another neighbor or employer.

When will I pay my first social security tax? I am operating my own farm.

Your first social security tax payment will be made when you file your 1955 Federal income tax return early in 1956.

All net income from $400 to $4,200 counts for social security coverage. Tax of three percent will be paid with your income taxes in 1956.

I hire one full-time man and several seasonal workers. What must I do so they can get social security coverage?

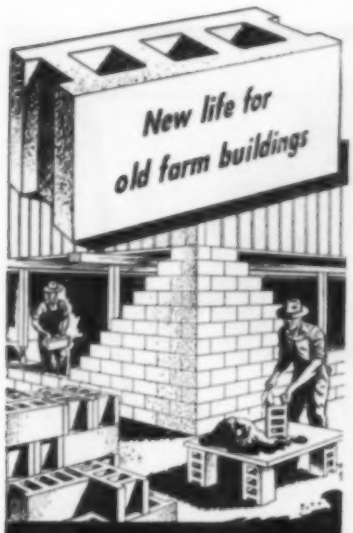
You should register with your Internal Revenue director as an employer. Then you will get forms for reporting your hired workers' social security tax.

You deduct two percent of the wages as social security tax from all your workers who will earn $100 or more from you during the year. You add two percent from your funds and mail to the revenue director.

To answer your questions

If you want to learn more about social security for farm operators, write for our free booklet. It is based on hundreds of questions asked by other farm people.

Just send a postcard to "Social Security, Wallaces' Farmer and Iowa Homestead, 1912 Grand Avenue, Des Moines, Iowa."



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FARGO, N. DAK.

"Certainly considerate of you to help me this morning dear. Couldn't be the milk check is due today?"

Broilers Grow Fast Now

If an eight pound human baby grew as fast as a modern broiler chick, he'd weigh 246 pounds in 10 weeks, says Jack Adams, poultry specialist at Wisconsin university.

This comparison describes how efficiently today's broilers convert feed into meat. Present-day birds far surpass those of 20 years ago.

Advances in breeding and feeding are the two main reasons for such rapid growth.

Feed has become more concentrated. Poultry specialists say that 70 pounds of a modern poultry ration has all the food value that 100 pounds used to have. Increased use of soybean oilmeal has been one of the chief reasons for less bulk in poultry feeds.

Today's feeds have a higher energy content and make more use of antibiotics and fat.

Can Feed Some Moldy Silage

It isn't necessary to throw away all silage that is moldy. But animals shouldn't be fed exclusively on moldy feed of any kind.

When moldy silage is fed, combine it with a half feed or more of good hay. And watch the animals, of course, for any ill effects.

G. R. Carlisle, Illinois livestock specialist, says the process of fermentation in the paunch of cattle will destroy ordinary molds or make them harmless. But there's always the possibility that any kind of spoiled feed is growing some of the harmful organisms as well as the harmless molds.

Ewes Need Grain Before Lambing

Pregnancy disease may develop in ewes if they do not get enough grain to keep them gaining steadily during the six weeks before lambing.

Ewes need energy feed at this time, say sheep specialists. The need is especially great for ewes carrying two or more lambs.

To prevent losing some animals, it's necessary to have plenty of room at the feed bunks so no ewes are crowded out at feeding time. It may be the same ewe that fails to get her share of the grain every day.

MANY MORE PEOPLE get on in the world than get up in it.—Stuart Herald.

Late results from

ACROSS the NATION...

SHOW

HONEGGER LEGHORNS HIGHEST IN THE NATION!

Honegger Leghorns have scored the highest number of points in the Storrs, Connecticut, Egg Laying Test as of the last of January. This Honegger record tops the nation for all breeds in all tests for all time.

There are over 400 pens of purebreds, crossbreds, and hybrids from top poultry breeders in the United States competing in these standard egg laying tests across the nation. Not only are the Honegger Leghorns high for the first four months of the 1954-55 season, but their record is also highest for this period in the history of egg laying tests. These Honegger Leghorns have averaged over 93% production through the entire four months.

Buy Honegger Leghorns and Get the Best!

- **ACROSS THE NATION. The overall average egg production of all contests across the nation reached an all-time high in the 1952-53 tests in which Honegger Leghorns competed against 8,840 birds entered by the thirty-three outstanding poultry breeding farms of our country. Here's how much better the Honegger Leghorns REALLY were.**

	Average of All Birds In All Tests	Average of All Honegger Leghorns	Difference
Eggs laid	222.83	269.01	46.18 Eggs
Points	231.42	281.90	50.48 Points
Livability	86.48%	92.31%	5.83%

SEE YOUR HONEGGER DEALER, HONEGGER ASSOCIATE HATCHERY OR WRITE

HONEGGERS'

FEED & MILLING DIV., FAIRBURY, ILL. - BREEDER HATCHERY DIV., FORREST, ILL.

Homemade bread tastes best

MRS. BOB RICHTER, Pottawattamie county, Iowa, takes a coffee cake from her freezer and pops it into the oven.

FRAGRANT bread, fresh out of the oven about four o'clock in the afternoon. A slice spread thick with butter and maybe a little jam or jelly or a sprinkling of brown sugar.

What a snack for the Man of the House and the children, just home from school—something to "hold their ribs apart" while they do the chores.

More of Mother's bread for supper and again for breakfast, fat slices toasted under the broiler. A loaf is gone before you know it.

Homemade bread slices much nicer if it stands overnight. But we can never wait. We think nothing tastes quite so good as those first jagged slices of warm bread.

With quick yeast and our regulated ovens, it's not much of a trick to turn out several loaves of beautiful bread between breakfast and supper. Some women go on a bread baking spree and put several loaves in their freezers for future use.

Here is the recipe for the Oatmeal Bread we like so well:

OATMEAL BREAD

1 cup rolled oats, quick or regular
½ cup sugar
2 teaspoons salt
2 tablespoons butter
1 cup milk
1 cup water
2 pkgs. compressed or granular yeast
½ cup warm water
6 cups sifted flour

Measure rolled oats, sugar and salt into a large mixing bowl.

Heat milk, water and butter to scalding, and pour over the oatmeal mixture. Let stand until cool.

Dissolve yeast in warm water. When oatmeal and liquids are cool, (cool means when you can't feel a drop on your wrist) beat in about half the flour.

Add dissolved yeast, and beat well. Add more flour, beating as long as you can, then kneading on a floured board. At this point, I like to let the dough rest 10 or 15 minutes. Then knead it for about 10 minutes or until little blisters show on the surface of the dough.

Put the dough back into the bowl. Cover with a damp cloth, and let rise until doubled in bulk. Punch down with your fist, and let rise again.

It is now ready to make into loaves. But if you are busy, punch it down again, and let it rise again. The punching and rising make a fine texture.

Make into two loaves for 5½ by 9½ inch pans. Grease pans well. Let rise until doubled, and bake at 400 degrees for 10 minutes, then finish at 325 degrees for about 30 minutes.

Take out of pans, and cool on a rack. Brush tops with cream or butter for a soft crust.

Sweet rolls are always popular. They often lead a double life for they serve as bread with a meal or as a "sweet" in a lunch box or for a snack at home.

Our family is very fond of these Cocoanut Twists. They are so easy to make.

COCOANUT TWISTS

1 pkg. compressed or granular yeast
¼ cup warm water
2 cups sifted flour
2 tablespoons sugar
½ teaspoon salt
½ cup butter
1 egg, beaten
½ cup milk
½ teaspoon vanilla
½ cup shredded cocoanut

Dissolve yeast in warm water. Measure flour, sugar, salt and margarine into mixing bowl, and work to crumbs with a pastry blender.

Add milk and vanilla to beaten egg. Stir in dissolved yeast, and pour into flour and butter mixture.

Mix well and let rise at least two hours in the refrigerator. About two or three hours before you want to bake the rolls, knead the dough a little on a well floured board. The warmth of your hands will help warm the dough. Let rest 10 or 15 minutes.

Knead a little more. The dough should feel "alive" and springy. Roll out in a rectangle about one-fourth inch thick. Spread with about tablespoon soft butter and two tablespoons sugar.

Sprinkle on the cocoanut and pat gently into the dough.

Fold one-third of the dough over the middle third and then the last third on top, so the cocoanut is all inside.

Cut crosswise into strips about one inch wide. Cut these strips in two and twist each one so you have about 24 twists, each one four or five inches long.

Lay twists on buttered cookie sheet, and set in a warm place to double in size. Bake at 350 degrees for about 12 minutes, until a delicate brown.—Bess Ferguson.

Homemaking Today

Edited By ZOE MURPHY

4 delicious food treats

all from your package of Quaker Oats

JUICY DOUBLE-DECK HAMBURGERS

Meat Patties:
- 1½ pounds ground beef
- 2 teaspoons salt
- ¼ teaspoon pepper
- 1 cup tomato juice
- ¼ cup chopped onion
- ¾ cup Quaker or Mother's Oats (quick or old fashioned, uncooked)

Filling and Topping:
- 6 slices American cheese
- 6 tablespoons chili sauce

Combine all ingredients for the meat patties. Shape into 12 patties. Pan-fry; put 2 patties together with a slice of American cheese. Serve with chili sauce. Makes 6 servings.

OLD-FASHIONED OATMEAL COOKIES
(Quick One-Bowl Method)

- 1½ cups sifted enriched flour
- 1 teaspoon soda
- 1 teaspoon salt
- 1½ teaspoons cinnamon
- ½ teaspoon nutmeg
- ⅔ cup shortening, soft
- ½ cup granulated sugar
- 1 cup brown sugar
- 2 eggs
- ¼ cup milk
- 3 cups Quaker or Mother's Oats (quick or old fashioned, uncooked)
- 1 cup raisins

Sift together flour, soda, salt and spices into a large bowl. Add shortening, sugars, eggs and milk. Beat until smooth, about 2 minutes. Lightly stir in rolled oats and raisins.

Roll dough out on lightly floured board to ¼-inch thickness; cut with large floured cooky cutter. Place on a greased cooky sheet. Sprinkle lightly with granulated sugar if desired. Bake in a moderate oven (375°F.) 12 to 15 minutes. Remove from cooky sheet immediately. Makes 3 dozen cookies.

OATMEAL BUTTERMILK MUFFINS

- 1 cup sifted enriched flour
- 2 teaspoons baking powder
- ½ teaspoon soda
- ½ teaspoon salt
- ¼ cup brown sugar
- 3 tablespoons shortening
- 1 cup Quaker or Mother's Oats (quick or old fashioned, uncooked)
- 1 egg, beaten
- 1 cup buttermilk

Sift together flour, baking powder, soda and salt. Mix with brown sugar. Cut in shortening until mixture resembles corn meal. Add rolled oats, blending thoroughly. Add beaten egg and buttermilk, stirring lightly. Fill greased muffin pans ⅔ full.

Bake in a hot oven (425°F.) about 20 minutes. Makes 12 medium-sized muffins.

Cinnamon-Topped Muffins: Combine ⅓ cup brown sugar, 1 tablespoon flour, 2 teaspoons cinnamon and 1 tablespoon melted butter. Sprinkle over muffins before baking.

At breakfast—the wonderful taste of good hot oatmeal is always a treat. What other cereal—hot or cold—tastes as downright delicious as Quaker Oats? Or gives you so much nourishment? And you can cook Old Fashioned Quaker Oats completely in only 5 minutes in boiling water! Yet you enjoy the same delicious, old fashioned flavor that many people think takes hours of cooking.

Clip out and try the recipes shown here. Quaker Oats adds an especially good taste to dozens of foods. It makes meat dishes extra juicy. Gives cookies a delicious, nutty flavor. Makes rich, moist muffins.

Discover what a lot of good eating and nourishment you get from high-protein Quaker Oats at breakfast and in delicious recipes.

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FORMER MUSIC TEACHER, Mrs. LaVern Thompson, accompanies her son Steven when he plays his trombone. Don, age six, looks on. Family lives in Calhoun county, Iowa.

Country air

YOU know—" That's the way TV announcers start their commercials—confidentially and persuasively. Well to go on—"you know" there's no reason why you shouldn't. Lots of people are doing it even if only for fun. Why shouldn't you? Well why shouldn't you what?

About that time you expect to see a filter tip top for your favorite soap flakes or a balanced spring suspension for your dust cloth or maybe a foaming glass of permanent wave solution floating off to the wild blue yonder. And then comes the inevitable affirmative of the commercial—"Yes." It's good for you. It's fun. Some people like it. Some don't. What does that matter?

You may prefer to punch holes in cloth and sew them up again. That's embroidery. You may collect cream pitchers. That's dusting. You may prefer scattering bits of cardboard about. That's bridge. You may prefer going to sales to buy waste baskets. That's silly.

We could go on and on for 19 more seconds until again that "Yes, you too can do it." And why not? If President Eisenhower and tired business men can escape from it all by painting pictures, why can't you escape from it all by doing something you like to do?

Why can't you write poetry—lofty and hard to understand if you like. Maybe it's verse that doesn't rhyme. Then call it free verse. Maybe it doesn't even have rhythm.

But it's expressing yourself in words. What's more natural? It's getting it out of your system. It's voicing beauty, humor, sorrow, life, nature, experience. "Yes," you can voice them all in your own way. "Yes," you too can get away from it all without a paint brush and easel.

But don't expect to sell it, girls. The Atlantic Monthly is quite a lit'ry magazine. It says it receives 1,500 poems a month from both men and women, but it prints only three or four. So what? The writers had the fun of saying what was in their minds, didn't they? They played with words hunting just the right one to express their thoughts. Maybe they played with rhythm.

What a pile of family or personal history you could produce! If you write a poem or a rhyme about any mood or experience that impresses you, tuck it away marked 1955, 1956, etc.

What brought all this on? Well, several things. One was the many women who answered the gadget contest in rhyme. One was the letter from a friend who is voicing her grief over the death of her husband in lofty verse as she tries to interpret to herself this loneliness.

Another was finding 28 lines by an unknown poet that says what I've long wanted someone to say about the old Flemish masters who have done the paintings that I love best.

Don't send it to an editor unless his magazine prints that kind of verse. Of course, Wallaces' Farmer and Iowa Homestead doesn't use poetry. Maybe if they did, I'd be trying to find rhymes to tell how cute the little white pigs at the farm were the other day. Friendliest little pigs we ever had. I got home with muddy little snout signatures all over my hose.

Yes, any little experience—wrap it up in verse if you like (but don't send it to us.) And may you have fun. As much fun as weekend painters do.—Elizabeth C. Wherry.

New way to prepare ground beef

HERE'S a new way to use ground beef! Mix together a pound of ground beef, an egg, salt and pepper. Shape into six flat cakes and brown.

While the beef cakes are browning, cook one cup sliced onions in three tablespoons of fat until tender. Add two tablespoons worcestershire sauce, one tablespoon vinegar, two tablespoons sugar and two eight-ounce cans of tomato sauce. Pour this mixture over the beef cakes. Cover and simmer for 15 minutes.

Arrange hot, fluffy rice on a platter and place the beef cakes and sauce on the rice.

When the bottles got mixed up

IF THE label hadn't been missing from the bottle, perhaps I would have been spared the embarrassment of serving my guest liniment flavored cake. The mix-up happened after Sonny lost the label off of the liniment bottle while doctoring a lame puppy.

We were having the minister and his wife for Sunday dinner. She was an excellent cook, and I was especially anxious for everything to be exactly right.

The main course, featuring my golden brown fried chicken, was a huge success.

I was well noted for my delicious cakes, so I had few qualms about the desert. I proudly served each of my guests a dish of ice cream and a generous helping of angel food cake.

I anxiously awaited her word of approval as the minister's wife sampled the cake. The odd expression on her face gave me a vague, uneasy feeling. "Your cakes are always so light and moist," she complimented, "but what flavoring did you use?"

Before I could answer my husband choked. "Hey, what's the matter with this cake?"

I took one bite, then rushed to the cabinet, where I kept the flavorings.

I guess I'll never know how that bottle of liniment got in the flavoring compartment of the cabinet, but after that mix-up you may be sure, I keep all the bottles plainly labeled.—Mrs. M. Jones, Missouri.

"Get to the barn stupid. I've yet to see a mouse in that chair."

THIS is no ordinary nickel

The 5¢ a pound you save now at your grocer's on each specially-labeled can of Hills Bros Coffee is more than just a nickel

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Don't wait—your grocer's supply is limited. Save 5¢ on the one-pound—10¢ on the big two-pound "coffee-lovers' can" while the supply lasts.

Hills Bros always gives you the best there is in coffee

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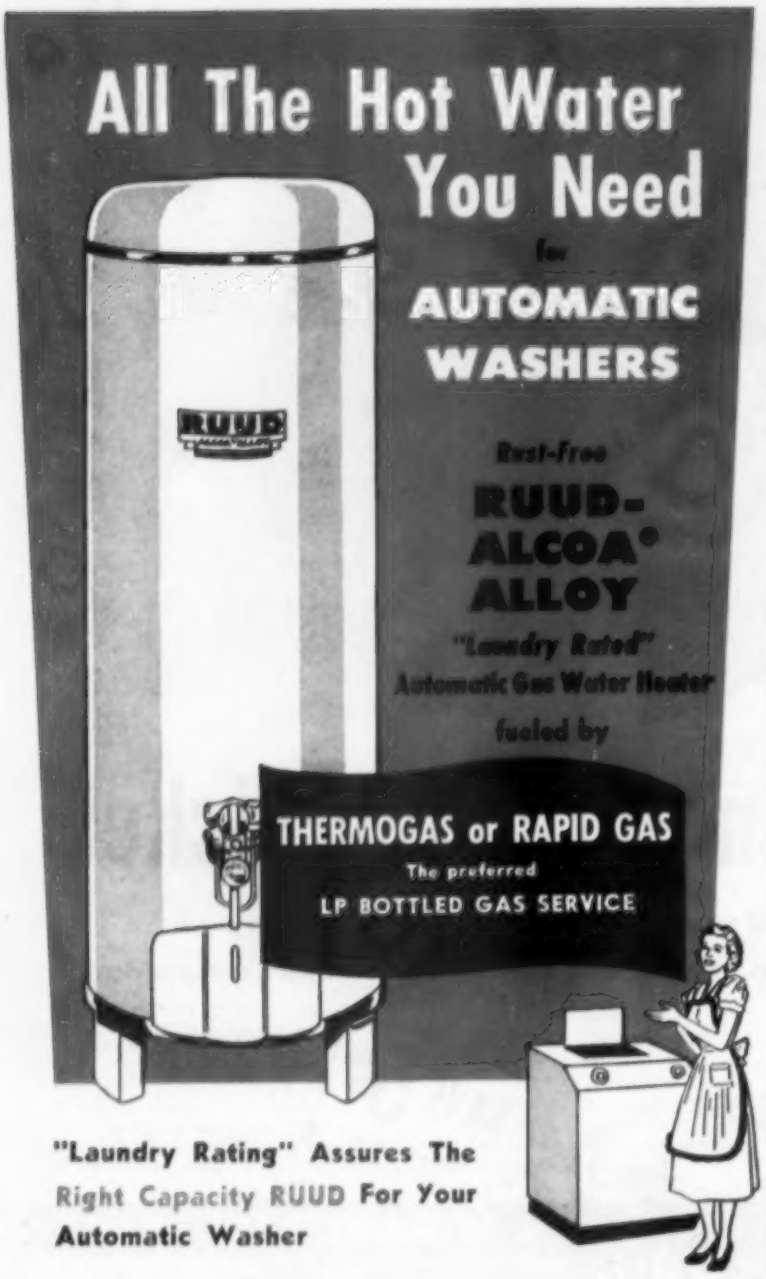

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What's to go in your garden?

It's not too early to make plans for your summer garden

THE first few weeks after the new seed catalogs arrive are pure enjoyment.

You thumb thru their bright pages basking in an artificial sun. When the snow is piled up in the yard and the sleet hits against the window, gardening is a romantic affair. There's no weeding and backache in January.

But as the days get longer, all of a sudden it's time to get down to work—first on paper, a little later on your hands and knees.

Is your garden plot ready? Did you clear it and have it plowed last fall? If you did, you are ahead for the season.

But perhaps this is the year when you change the location of the garden. This is the time to decide where it's going to be located and how big it will be.

When this is done, you can sit down with your pencil and paper and make out your preliminary seed order.

Some women like to have two gardens. A small one near the house for day to day use. The big garden may necessarily have to be farther away. This garden should be planned and planted so that it can be cultivated with power tools. Both should be fenced.

Deep, fertile soil is one of the essentials of a successful garden. It should be located to receive the direct rays of the sun all day long.

Avoid a location surrounded by trees. Their roots can penetrate far into a garden and rob it of moisture and plant food.

How big a garden you will need depends on the size of your family, how much you plan to can or freeze for next winter and how much time and energy you can expend on the garden.

Check up on your fruit room and in your freezer to see what you want to have there this time next year.

If you do a lot of freezing, you'll notice in the catalogs that some varieties are recommended especially for this purpose.

Use some restraint when you make out your seed order. You may not have the time to care for some of the plants that look so alluring in January.

On the other hand, it adds interest and is often profitable to try out new varieties, hybrids or some vegetables that are new to your family.

In our family, we planted some okra a few years ago for the first time. We learned that summer to like it, and now it is part of our regular order. This year we are interested in high bush cranberries for shrubs and for the tangy jelly that can be made from the berries.

After you get your seed list made out, it's a good time to check over your garden tools.

Hoes have to be sharpened, handles replaced and sometimes new equipment purchased. A check now may save a trip to town on a busy day later.

No matter how many flowers you have in your perennial garden or in the border, do plant a few rows of annuals in your vegetable garden. Zinnias, marigolds, poppies and nasturtiums are so easy to take care of when you work in the garden. They add interest and furnish flowers for cutting as long as the garden lasts.

"Glads" do well in a vegetable garden, too. They also like full sun and good drainage. Extra early varieties can go into the ground as soon as the frost is out. Then you can make several plantings of other kinds at 10-day intervals.—Z.M.

THERE'S SNOW outside but Mrs. Verne Stendrup and Deborah, Shelby county, Iowa, are planning the summer garden.

THE CAKE'S just baked. Year old Candy seems to think that her mother, Mrs. J. F. Ripperda, Boone county, Iowa, is a pretty good cook.

Cookery corner

Spare Ribs with Corn Bread Dressing

- 3 pounds spare ribs—cracked thru center
- 5 tablespoons drippings
- 1 small onion—chopped
- 1 cup chopped celery
- 3 cups bread cubes
- 3 cups coarse cornbread crumbs
- 1 medium sized apple chopped
- ½ teaspoon salt
- 1 teaspoon sage
- ½ cup milk, slightly scalded

Heat the drippings in a heavy skillet. Add onion and celery, and simmer until the onion is tender but not brown. Combine with other dressing ingredients in a mixing bowl, and allow to cool until the liquid is evenly absorbed.

Spread a layer in a roaster. Sprinkle the ribs with salt and a little pepper, and place on top of the dressing. Roast covered in a 350-degree oven for about an hour and a half or until the ribs are nicely browned.—Mrs. P. J. Fushelberger, Indiana.

Penuche Icing

- 1½ cups brown sugar, packed
- ½ cup butter
- ¼ cup plus two tablespoons milk
- ¼ teaspoon salt

Mix ingredients together thoroly, and bring to a full rolling boil, stirring constantly. Boil for one minute. Remove from heat, and beat until lukewarm. Add three-fourths teaspoon vanilla. Beat until thick enough to spread. Nut meats can be pressed gently into the sides of the cake and sprinkled on top if desired.—Mrs. Merle Rupe, Muscatine county, Iowa.

Prune Chiffon Pie

- 1 baked pastry shell
- 1½ cups seived prunes and juice
- 1 tablespoons gelatin
- ¼ cup cold water
- 2 tablespoons lemon juice
- ½ cup sugar
- 2 stiffly beaten egg whites
- 1 teaspoon grated lemon rind
- ½ teaspoon salt

Soften the gelatin in cold water. Cook the prune pulp, lemon juice and rind, and sugar together for two minutes. Add the gelatin, and cook for another minute. Add salt to the egg whites, and fold in the gelatin mixture. Pour into the pastry shell. Chill, and cover with whipped cream if desired.

Maple Cookies

- ½ cup butter
- 1 cup maple sugar
- 2 eggs beaten
- 2 cups sifted flour
- 2 teaspoons baking powder
- ½ teaspoon salt
- 1 cup broken pecans

Cream the butter. Add the sugar, and mix well. Add the eggs. Sift the dry ingredients together, and combine with the butter and sugar. Add enough flour to make the dough stiff enough to shape into a roll. Wrap in waxed paper. Chill overnight. Slice thin, and bake in a moderate oven—350 degrees—for 20 minutes.

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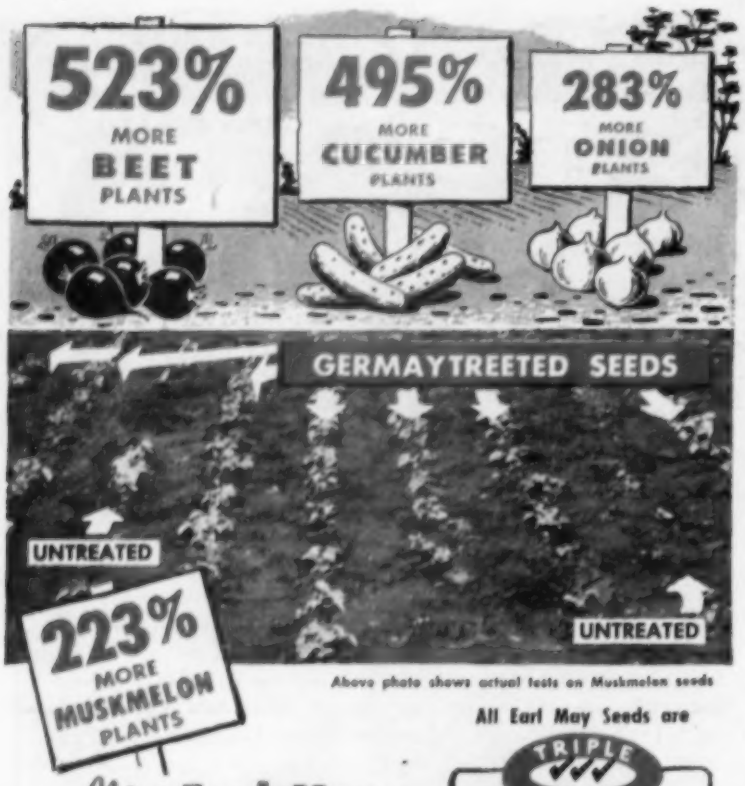

Above photo shows actual tests on Muskmelon seeds

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When field-tested against untreated seeds, Earl May's *GERMAYTREETED* seed produced the remarkable increases shown above. All results are from tests made in our trial grounds at Shenandoah, in co-operation with Experiment Station scientists. Earl May's new *GERMAYTREETED* process promotes better germination . . . gives remarkable protection against soil born disease organisms.

Don't take chances with seed that gives you less than *GERMAYTREETED* protection. This year plant Earl May *GERMAYTREETED* Garden Seeds. Produce your biggest yields ever.

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Earl May SEED COMPANY
SHENANDOAH, IOWA

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No. 8218. An adorable party frock for the young in heart—and sew—easy! Sizes 10, 12, 14, 16, 18, 20. Size 12, 4½ yards of 35-inch.

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No. 8060. A complete Easter outfit for a tiny miss and she'll look pretty. Sizes 1 to 6 years. Size 2, dress and bonnet, 2¼ yards of 35-inch; cape, 1⅝ yards of 54-inch.

Patterns are 30 cents each, coin preferred. New Spring and Summer Fashion Book is now ready. It costs 30 cents, too. Address your orders to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

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EASILY, QUICKLY, AUTOMATICALLY

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Nagging backache, loss of pep and energy, headaches and dizziness may be due to slowdown of kidney function. Doctors say good kidney function is very important to good health. When some everyday condition, such as stress and strain, causes this important function to slow down, many folks suffer nagging backache—feel miserable. Minor bladder irritations due to cold or wrong diet may cause getting up nights or frequent passages.

Don't neglect your kidneys if these conditions bother you. Try Doan's Pills—a mild diuretic. Used successfully by millions for over 50 years. It's amazing how many times Doan's give happy relief from these discomforts—help the 15 miles of kidney tubes and filters flush out waste. Get Doan's Pills today!

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How to Avoid Crippling Deformities

An amazing newly enlarged 44-page book entitled "Rheumatism" will be sent free to anyone who will write for it.

It reveals why drugs and medicines give only temporary relief and fail to remove the causes of the trouble; explains a specialized non-surgical, non-medical treatment which has proven successful for the past 36 years.

You incur no obligation in sending for this instructive book. It may be the means of saving you years of untold misery. Write today to The Ball Clinic, Dept 40, Excelsior Springs, Missouri.

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Gladiolus, large flowering, rainbow mixture. 12 best garden varieties, guaranteed to bloom. 50—$1.50. FREE with Gladiolus offer 27 Robinson strawberry plants. STRAWBERRY PLANTS. Dunlap, Blakemore, Premier, Robinson 100—$1.90. 25 Mammoth Rhubarb or Asparagus plants $1.90. FREE with Strawberry, Rhubarb or Asparagus offers 25 Gladiolus bulbs like above mixture.

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LLOYD SCHULD, SEEDS JEFFERSON, WIS.

TELL THE ADVERTISER that you are writing him through his advertisement in WALLACES' FARMER AND IOWA HOMESTEAD

Mrs. Frank Monson Henry county, Iowa, uses her spinning wheel for spinning and not for decoration.

Ancient art revived

MRS. FRANK MONSON has revived the art of spinning in Henry county, Iowa.

At the Old Settlers and Threshers Reunion held in Mt. Pleasant last fall, Mrs. Monson gave spinning demonstrations every day.

One of her major problems was finding wool for spinning. After several unsuccessful attempts to purchase wool from nearby dealers, Mrs. Monson found some newly shorn sheep at the Henry county fair and inquired about fleeces. They were still on hand. Tho the strands were short, she found them usable to spin yarn.

Carding the wool is the hard work of spinning. In the early days women often met for carding bees. The cards are made of thin, stout wood, having a handle at the side or back.

The worker rested the card on her knee, holding it with her left hand. Then taking a hank of wool in her right hand she drew it across the card, allowing the fibres to catch in the teeth. The other card was drawn across the first until the wool was combed into fine strands. Mrs. Monson carded wool as a part of her demonstration.

To spin the strands into yarn, Mrs. Monson attached one end of the wool to the spindle. Holding the wool in her lap, she twisted it into strands to feed the spindle. Mrs. Monson learned to spin by watching her mother prepare yarn to knit woolen socks for her father.

Dying the yarn in the good old days was time consuming. Bright colors were made from walnut hulls, sumac berries, onion skins, peach seeds and beets. The black sheep of each flock provided the only permanent color, and the wool from black sheep was always at a premium.

Modern antique enthusiasts use the old-fashioned spinning wheel for decoration, but in pioneer homes, it was as important as the stove.

The spinning wheel holds a prominent place in the Monsons' parlor now. Mrs. Monson devotes time to raising roses and to spinning wool into yarn for weaving or knitting.—Helen Virden, Henry county, Iowa.

the Songfellows

. . . gather around the piano every night for some close harmony. You'll enjoy the music of this famous quartet as they sing the latest hit tunes and standard favorites.

Left to right: Ken Black, lead; Harris White, baritone; John Whaley, bass; Bill Austin, pianist and arranger, and Stu Steelman, tenor.

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...increase Hog Profits!

are you willing to invest $4 in something that makes every ton of home grain produce bigger Hog Profits?

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$4 worth of triple-strength VIGORTON added to a ton of your home grain and a small quantity of natural proteins make what many cornbelt farmers call the world's best hog ration. Thousands of farmers have complete confidence in VIGORTON. Why? Because VIGORTON daily proves its worth right in the feedlot! VIGORTON contains vitamins, minerals, trace elements, live cell yeast (plus Antibiotics where effective) of highest quality and in scientific proportions. VIGORTON helps you make a wonderful hog ration on your own farm with your own grains . . . all at a cost which is so low that your ultimate hog profits attain a new high!

These are plain, provable facts . . . facts which spell improvement over anything that you have ever used in the past. Don't delay another day. Switch to VIGORTON *now* and enjoy the profit, economy, and satisfaction of using the Number One feed supplement on the American market!

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Also get the facts on famous BOVOTON for beef cattle and sheep . . . contains no risky drugs! BOVOTON assures maximum digestion of grains and roughage by stimulating rumen activity. This means better conversion of your ration to good quality, solid beef, BOVOTON is a proved performer. Constantly gaining in popularity with leading cattle feeders throughout the Corn Belt. Facts and figures conclusively prove that BOVOTON produces better, beef at lower feed cost.

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HENSS DISTRIBUTING COMPANY
CRAWFORDSVILLE, IOWA

First Aid for Stock

What Caused Sows' Heads To Twist?

To the Editor: We had 26 head of brood sows that were doing fine. They had been wormed and vaccinated. One day, one sow's head was twisted sideways. Then more and more of them got this trouble. Their heads were so twisted they couldn't find feed. We finally sold them. What was the cause?—E.F., Marshall county, Iowa.

In some sows, this trouble has been caused by a middle ear infection that is not contagious.

This trouble has also been caused by inflammation from infection in the nostrils due to a disease called rhinitis.

Some investigators have reported a disease producing similar symptoms and thought it due to a virus causing encephalitis (inflammation of the brain).

The only way to find out if this or any other disease was present would be to take one of the animals to a laboratory. But since your sows were sold, this is impossible.

You can re-stock your farm with healthy sows. But give the lots and buildings a thoro cleanup before bringing in the new sows.

Can't Get His Cows To Settle

To the Editor: Could you tell us what to feed our cows to get them to settle? We have been having trouble the last few years.—C.H., Henry county, Iowa.

There are many possible causes of a cow not conceiving. Disease, poor timing of artificial insemination, infertile bull—those are a few of the possible causes.

If balanced rations are fed, there isn't anything to feed them that would help. Normal quality hay, mineral and some concentrates supply the nutrients needed for conception.

Better have your herd examined by a veterinarian to see if any infectious disease is present. Vibriosis, leptospirosis and other diseases may cause infertility.

"I'm so tired tonight I don't know whether I'm coming or going. . . Ouch, confounded milk stool!"

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Albert City, Iowa

"I still think the time he spent in agricultural college was wasted . . . He slept thru classes, too."

He Must Use Old Lots For Hogs

To the Editor: Can you give me some suggestions on raising hogs on a farm where there is bloody scours? The same lots and pastures must be used.—O.J., Jackson county, Iowa.

In treating for bloody scours, you just about have to eliminate carriers (infected pigs) and diseased lots. Old lots will harbor the infection for years.

In many places, it isn't sound to try to raise hogs on old lots where bloody scours has been a problem.

If you want to try raising pigs in the old lots, all manure piles should be hauled away. Buildings, feeders, waterers, lots, etc., should be cleaned and disinfected thoroly.

Scrub sows thoroly before farrowing. Keep the pigs on cement until they are eating well. Then the pigs would be off to a good start.

Give the pigs a ration highly fortified with antibiotics. If scouring is seen, get some arsenical tablets from your veterinarian to use in the drinking water.

If any pigs show symptoms of bloody diarrhea, separate them from the herd at once.

Four Methods To Dehorn Calves

Dehorning calves is safe, simple and easy if you do it before they are three months old, says J. D. Burke, Illinois College of Agriculture dairy specialist.

Burke describes several ways to destroy horns on calves. You can burn the horn tissue to stop further growth; use electric dehorner; apply caustic potash, or use the old cutting devices.

The electric dehorner avoids problems of infection and bleeding. Calves feel little shock and return to feed almost immediately.

The hot iron is like a branding iron. To be effective, it's necessary to burn a quarter-inch circle around the base of the horn.

Caustic potash must be applied before calves are three weeks old. Rub the horn button with the material until it starts to bleed. Protect your hands from the caustic, and also protect other parts of the calf's body.

Cutting devices will remove horns permanently if about a quarter-inch of hide and hair is taken with the horn. Problem is bleeding. Cutting is not recommended, says Burke, in cold weather or in fly season.

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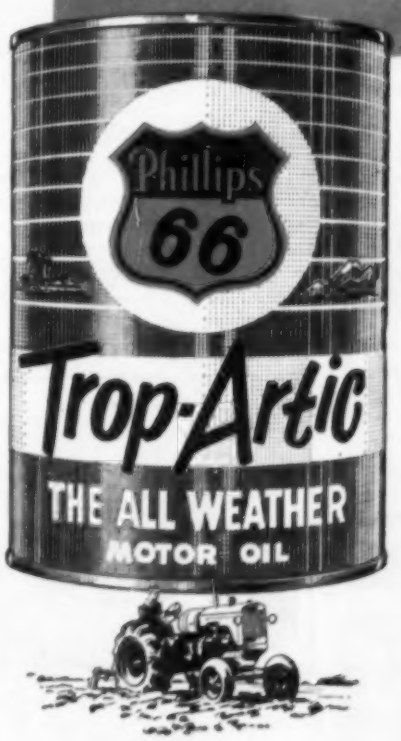

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NOW is the TIME to ORDER

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You will certainly want to plant this most outstanding variety this spring. Just think of it—all these sweet luscious berries for eating fresh. Also wonderful for canning, freezing or preserves. Many people are finding that Superfection is the world's very finest everbearing strawberry. Will bear very heavily this summer and fall, as above test proves. Next year you will have oceans of strawberries throughout the entire season. Superfection holds its color and shape better, grows well everywhere (self-pollinizing). Strawberries are healthful and delicious. Order all you can plant direct from this ad at this very special price. Do it today.

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The Farm Flock

HALF MILLION CHICKS or more were raised in 34 Iowa counties during 1954. Kossuth county led with a total of 1,060,482 chicks. The total for the state was 42,927,000

▼ ▼ ▼

SOME MIDWEST egg producers are waiting to see what other poultryman plan to do about ordering replacement chicks. While they are waiting, you have a chance to get your chicks started. Early pullets look like the best bet again this year.

▼ ▼ ▼

BROILER GROWER Otto Ford of Benton, Pennsylvania, sold a batch of broilers last fall that weighed 3.46 pounds average. These broilers had a feed conversion of only 2.39 pounds feed for each pound of meat produced.

▼ ▼ ▼

EGG PRICES in December, 1954, averaged 16 cents per dozen lower than the December, 1953, prices. The December price was 63 percent of the national parity as compared to 90 percent of parity in December, 1953.

▼ ▼ ▼

LAYING FLOCKS were culled at a faster rate last fall than in past years, and fewer late pullets were added to flocks.

▼ ▼ ▼

EGG PRODUCTION, which on January 1, 1955 was about four percent larger than a year earlier, will continue to increase seasonally the next two or three months. However, during the flush period, production will be about at 1954 levels.

▼ ▼ ▼

EGG CONSUMPTION per capita for 1954 was 385. That is more than one egg per day for each person in the U. S. This means that the increased production in 1954 would move into consumption only at extremely low prices.

▼ ▼ ▼

HIGH EGG CONSUMPTION month last year was March when the average person ate 35.4 eggs. The low months were August and September when the average person ate 29.8 eggs each.

▼ ▼ ▼

EGG PRICES to consumers ranged from 18 to 23.5 cents more per dozen than the farmer got for the eggs when he sold them. This extra cost is charged to marketing. Each egg handler adds to the price when he moves the eggs. The last addition is made at the retail stores.

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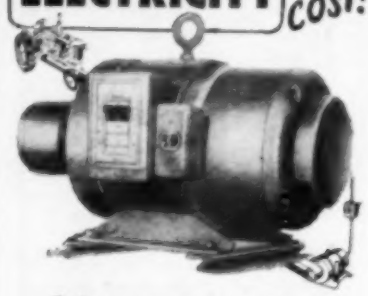

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Hayes Grade AA chicks! Excellent quality—both for meat and eggs. Bred for high livability. Grow faster, live better, produce more eggs. 95% sexing guarantee. Cash in full—or pay postage. C. O. D.'s, you pay postage. ORDER TODAY. Prices subject change without notice. Orders under 100, add 1¢ per chick. AAA Grade Chicks — from our best laying flocks only 4¢ per chick more, all AAA grade losses first 2 weeks replaced free.

GRADE AA	Str. Per 100	Hatch Per 100	Males Per 100	Pullets Per 100
Austra White, Min White Leghorns	10.90	3.90		22.90
New Hampshires, Barred, White Rocks, White Wyandottes, S. C. Reds	10.90	10.90		15.90
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Special: Wh. Rocks, Barred Rocks, N. H. Reds —our choice of breed and sex, per 100 ..... 7.90
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BIG SAVINGS on your FEED Costs

Mixes perfect blend in 10 min., 5 sizes, 700 to 4000 lbs. capacity. Gives years of trouble-free service.

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Brower Mfg. Co., Box 8301, Quincy, Ill.

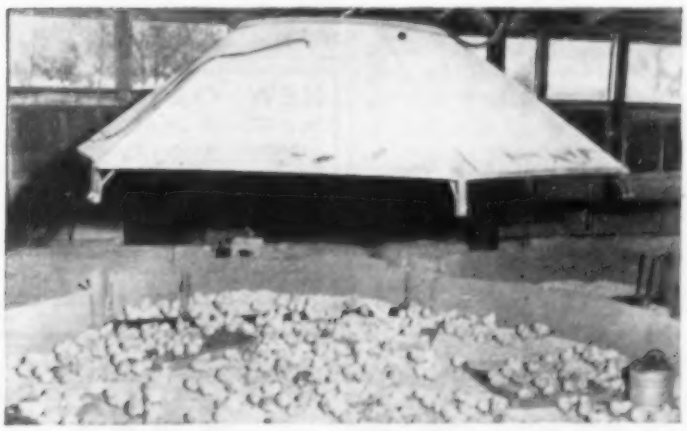
Get ready now for chicks

HERE are six things you can do now so you will be ready for chicks when they arrive.

1. Order chicks bred for high egg production now. The hatchery will deliver them when you are ready.
2. Clean and disinfect brooder house and equipment.
3. Repair or replace worn equipment.
4. Add new litter to the brooder house.
5. Test brooder to be sure it works properly.
6. Buy feed so you'll have it when chicks come.

Clean and disinfect brooder house before chicks arrive. Spraying his brooder house with a disinfectant is Lloyd Koehler of Floyd county, Iowa.

Clean equipment is being moved into laying house to be used for brooding chicks by H. L. West of Cerro Gordo county, Iowa.



Baby chicks have arrived and are off to a good start on the Jim Russell farm in Henry county, Iowa. Raising hover speeds chore of caring for chicks.

better chicks bigger checks

Start them *right* on

DR. SALSBURY'S
REN-O-SAL
Drinking Water Tablets

STIMULATES GROWTH
Ren-O-Sal stimulates chick growth. They mature sooner, lay up to 15 days earlier. Improves body development. Helps them overcome "disease burden." More chicks *live* to laying age.

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Start chicks on Ren-O-Sal. For bigger egg checks, *keep* your hens on Ren-O-Sal. Buy Ren-O-Sal from your poultry supply dealer, today!

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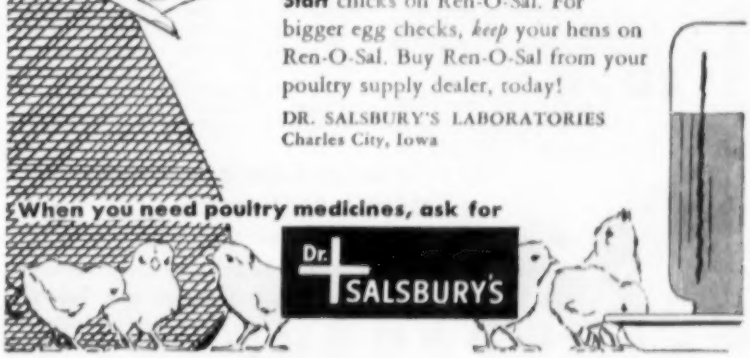
Charles City, Iowa



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Wormal
GRANULES or TABLETS

Effectively removes Cecal Worms, Tapeworms, Large Roundworms. Tablets also expel Intestinal Capillards. Contains Butynorate. An extra egg per bird pays for a treatment. Get Wormal Granules for flock worming, or Tablets for individual birds.

Livestock farmer, Delos Annear of Dedham, likes FELCO feeds. Annear finds it takes less FELCO feed to do the job, than it does with other feeds. You can buy top quality feed and share in cooperative savings at the same time, by insisting on the best—FELCO. See your local Farmer's Cooperative Elevator. (Advertisement)

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(STILBESTROL-FORTIFIED FEED)

PROVED

UNDER PRACTICAL FEED-LOT CONDITIONS

(Photo—Gooch Experimental Farm)

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STILBESTROL FEEDING

CONFIRM EARLIER FINDINGS OF FASTER GAINS, LOWER COST

GAINS OVER 3 LBS. PER HEAD DAILY—and SAVINGS IN FEED COST of 9% to 12.5% have been consistently produced in practical feed-lot tests using Stilbestrol-fortified rations at the Gooch Experimental Farm. Cattle shown above are just a part of those being used in continuing tests on STEER-PREMA, Gooch's new hormone-fortified cattle supplement.

You can get complete details on the Gooch Experimental Farm Tests from your Gooch Dealer. This includes figures on feed savings—also carcass grade and yield results when cattle were dressed out at the packing plant and officially graded.

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Outside stuff

FOLLOWING our recent write-up on farrowing stalls, a Sioux county, Iowa, reader writes for more details.

"I have 31 sows to farrow, and three have already come in," he says. "From the three sows I have lost eight pigs. I have eight-by-six pens with brooders, but that doesn't seem to be the answer."

You can get plans for farrowing stalls by writing to Animal Husbandry Extension, Iowa State College, Ames, Iowa. Ask for Plan For Farrowing Stalls, AEP-11 (Rev.). Folks at the college tell me they have a good supply of the pamphlets on hand.

• • •

CHANCES are you'll have a chance this year to make good use of a crop spraying rig—in the control of weeds or insects. So if you don't have a sprayer, maybe there's a chance that you can make arrangements to exchange work or equipment with one of your neighbors who has one.

One estimate says that there is one sprayer for every three and one-half farms in Iowa. That's the estimated average. The ratio may be higher or lower in your neighborhood.

Exchange or co-ownership is one of the best ways to save money on seasonal equipment. Some machines, like sprayers, depreciate about as fast when not in use as when used. And sprayers aren't used many days out of the year.

• • •

"IF EVERYBODY would chop their cornstalks, we would have fewer corn borers," believes Ralph Meinert of Scott county, Iowa.

Chopping stalks kills some of the borers. And it leaves others out in the open where they die from exposure—or birds get 'em, Meinert explains. He went over all of his stalkfields last fall with a stalk cutter.

But in order to get top benefits from stalk chopping, everybody in the neighborhood should do it. Otherwise, one unchopped field may produce enough borer moths to infest all the farms around it.—Dave Bryant.

At last a **PTO DRIVE SPREADER**

PTO . . . cuts spreading time up to 50%. Prevents slipping — a steady flow of fertilizer at the exact rate per acre you want. Makes cleaning a snap in 10 minutes or less. Write for information on Century's PTO saw-action fertilizer spreader, It's packed with many revolutionary new features. Seeds too!

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Farm Equip. Div. Cedar Rapids, Iowa
For the name of your Century dealer, write
THE HAMILTON COMPANY
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★ STAR STOCK TANKS

STURDY ROUND END TANKS

DOUBLE LIFE BOTTOMS →

TWICE THE USUAL COATING OF ZINC

It costs you less to own a Star tank because the bottoms have *twice* the usual thickness of protective zinc coating, inside and out. This means *double* resistance to rust and wear—*longer* service life. Each Star bottom bears the Zinc Institute's "Seal of Quality"

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DESIGNED FOR THE FARM

Hull your own oats—the most palatable and valuable feed of all. Get the facts! Write for free circular — 15 different reasons why the Galloway Gold Nugget Oat Huller will pay you real dividends and make you money. Write to

WM. GALLOWAY & SONS CO.
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K-R-O KILLS RATS QUICKLY!

RED SQUILL OR WARFARIN
Sold at all drug, seed and hardware stores.

Keep Teat Open
Keep It Healing
Keep It Milking

To maintain unrestricted milk flow and provide antiseptic protection is of first importance in the care of injured teats. Dr. Naylor's Medicated Teat Dilators act as medicated surgical dressings to the teat canal in the treatment of Sore Teats, Scab Teats, Bruised Teats, Obstructions.

Contain Sulfathiazole

The medication is IN the Dilators and is released slowly for prolonged antiseptic action. Dr. Naylor Dilators provide gentle, non-irritating support to delicate lining of teat canal, keep end of teat open in its natural shape while tissues heal.

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Dr. Naylor's MEDICATED Teat Dilators

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KOYKER Equipment Shown On **VIKING #32 MILL**

Attaches to most trailer-type P.T.O. Mills, Shellers, Grinders, etc. SAVES WORK—increases grinding capacity up to 20%. See your dealer or send for complete listings to:

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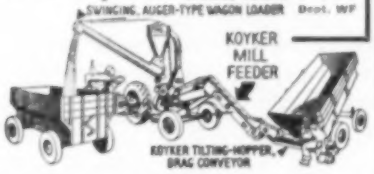

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TALL MEN — 6' to 6' 11": Here's a tall story you can believe. Your shopping problems are solved by the country's only specialist in fitting tall men. Complete stock of EVERYTHING for the tall man in hard-to-get sizes at easy-to-pay prices. Send for BIG CATALOG NOW!

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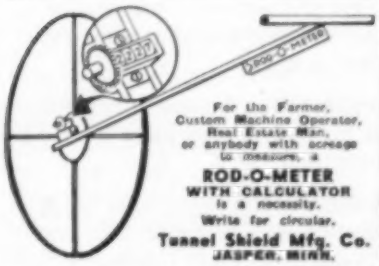


For the Farmer, Custom Machine Operator, Real Estate Man, or anybody with acreage to measure, a

ROD-O-METER WITH CALCULATOR
is a necessity.
Write for circular.

Tunnel Shield Mfg. Co.
JASPER, MINN.

"Old-timers" write . . .

Read Paper For 65 Years

To the Editor: We were married in 1890, 65 years ago, and have taken your paper ever since. I read it before that time when our folks took it.—M. C. Howard, Greene county, Iowa.

Here is another long-time reader. Are there any more? —Editor.

Father Hit Iowa In 1837

To the Editor: My father came to Iowa in 1837 at the age of 17. My grandfather settled at that time in Scotch Grove township in Jones county and raised a family of 10 boys and one girl.

About the only work the boys found to do was cradling wheat. They did get some work on boats on the Mississippi. The walk to the river was considered not unusual for a one-day trip.

My father and his brother joined the gold rush to California in 1849. He was gone from home seven years and came home by way to Panama.

I remember reading the Iowa Homestead when my father was a subscriber years ago. One thing I remember was the number of advertisements of horses. I must have read the Homestead close to 65 years.—F. D. Sutherland, Jones county, Iowa.

Farm In Family 115 Years

To the Editor: I see you are asking about old family farms. My grandfather took possession of a farm nine miles north of Rockford, Ill., in the fall of 1840. The grandson of the original settler, Melvin Atwood, still has the farm.—A. H. Pickard, Chickasaw county, Iowa.

Father Used A Cradle

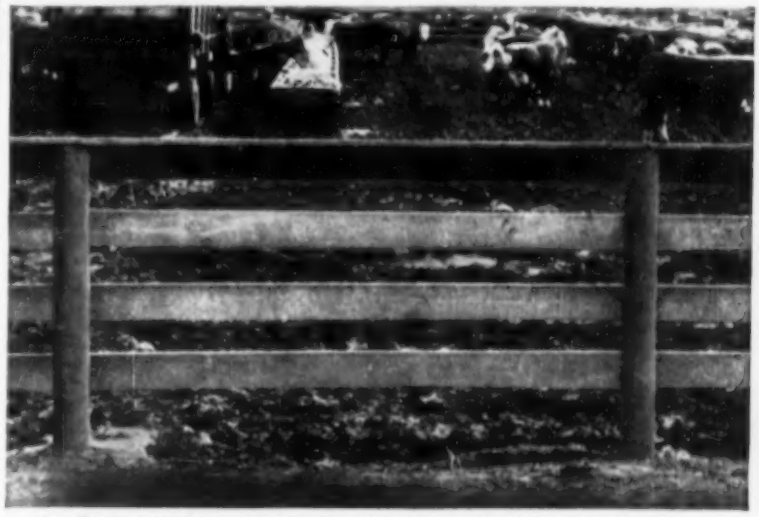
To the Editor: Enjoyed reading your paper about the old methods of threshing. Also about how the pioneers cradled their grain. My father farmed like this. I remember the cradle and how he used to swing it. I wish you 100 more years of good publishing.—Mrs. Scanlan, Henderson county, Illinois.

"Four years of college and you never learned to hoe!"

DOW

No post better protected against rot and termites—or cleaner for easy handling

PENTA-TREATED POSTS†



PENTA *pressure treatment keeps board fences strong and rot-free longer, too.*

This spring you'll see more wood fence posts pressure-treated with clean, rot-resisting PENTA* put to use than ever before. No wonder! These strong, better-protected posts have proved the best long-term buy for farmers all over the country.

PENTA preservative, forced deep into wood cells by pressure treatment, stops top rot, groundline decay, insect borers for *years longer.* PENTA-treated posts will outlast the finest fencing wire—they eliminate the costly, time-consuming job of refencing just to replace rotted, rusted or bent posts.

PENTA posts have a naturally attractive appearance, but can usually be painted after a few months in the ground. These posts stay clean for easy and pleasant handling, too.

See your local lumber dealer today about some strong posts pressure-treated with *PENTAchlorophenol—and ask about PENTA-treated poles while you're in. THE DOW CHEMICAL COMPANY, Midland, Michigan.

†When treated according to U. S. Govt. Specification TT-W-571 to a retention of 6 lbs. per cubic foot.

Clean PENTA-*treated poles make low-cost construction like this double corn crib more usable; can be used to build sturdy barns, machine sheds, bunker silos, hog houses, hay and feeding racks.*

THE DOW CHEMICAL COMPANY
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Please send me, without cost or obligation:
☐ Booklet, "PENTA Pressure-Treated Farm Posts".
☐ Information on pole-type buildings.
☐ Location where I can buy PENTA pressure-treated posts and PENTA-treated poles.
Name _____
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you can depend on DOW CHEMICALS DOW

3 Great Value Lines of Power Garden Equipment ROTO-HOE

Whichever Best Fits Your Needs, You're Sure of Most for Your Money with ROTO-HOE

1 **Hummingbird** Horizontal Cultivator — New principle, light weight (45 lbs.), easy to maneuver, cultivates 9" wide. Complete 2 h. p. $105.

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ALL 3 ROTO-HOE models have easily changed, low-cost attachments available—to do other jobs year 'round.

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Sixteen pages packed with valuable information. Write today for a free copy and name of nearby dealer.

ROTO-HOE & Sprayer Co.
Box 166 **NEWBURY, OHIO**

EASTERN IOWA FARMERS . . . Send for
FREE BOOKLET
on how to lick your DRAINAGE PROBLEMS

Just drop a postcard to
ROCKFORD BRICK AND TILE COMPANY
Rockford, Iowa

Produce more milk per man-hour

WITH **RITE-WAY PARLOR MILKER**

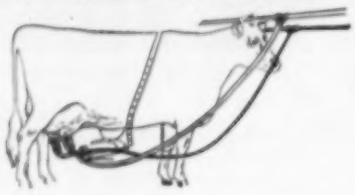
With RITE-WAY Parlor Milking, the cows bring the milk to you—and the RITE-WAY Pipeline System takes the milk to cans or cooler. There's no lifting, carrying, or pouring. There's no squatting or stooping to adjust milkers, and in the Rite-Way Parlor Stall you feed each cow with a single turn of a handle. Your milking operation is just about cut in half—and every minute you save lowers your cost—adds to your profits!

Exclusive vacuum controlled teat cup positioning makes the Rite-Way Parlor Milker the fastest!

A single fingertip control valve adjusts the Rite-Way Parlor Milker and holds it to exactly the right position for each cow—more easily and quickly, more *positively* than any other milker!

Your Rite-Way Service Dealer is ready to do a COMPLETE job of converting your operation to *modern* pipeline milking. He has everything you need—typical floor plans that can be fitted to your own needs . . . the finest, fastest, cleanest milkers . . . stainless steel or glass pipeline with fittings . . . bulk or can coolers . . . water heaters and wash-up equipment including specially made pipeline wash tanks.

RITE-WAY Parlor Milker for elevated stalls



For stanchion barn pipeline milking— Scientific weighting makes the Rite-Way Swing Line-Milker easy to adjust to milk at maximum speed and to hold position accurately throughout milking. Fits your present stanchion barn or can convert to parlor milking.

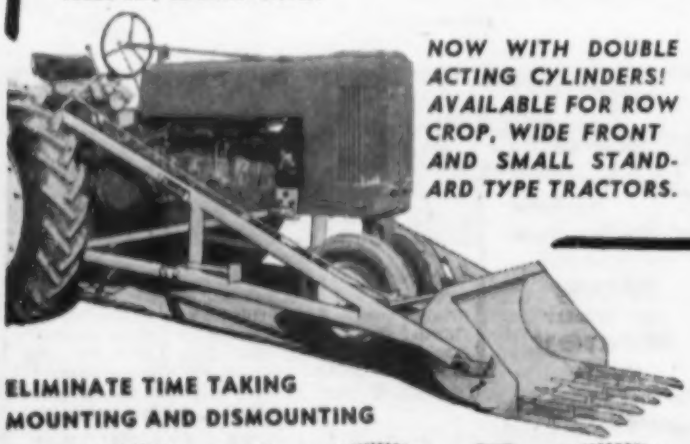
See your RITE-WAY dealer today or write to Dept. 7A.

RITE-WAY DAIRY DIVISION PACKAGE MACHINERY COMPANY
East Longmeadow, Massachusetts — Chicago, Illinois — Oklahoma City, Oklahoma

GOLLY!

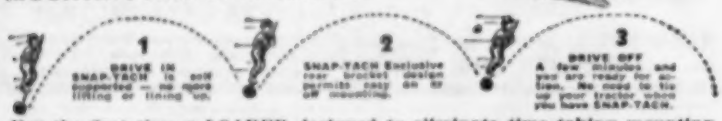
DAD GOT A NEW *Humboldt* SNAP-TACH

AND I CAN "SNAP IT ON" IN SECONDS! Yes the HUMBOLDT SNAP-TACH HYDRAULIC LOADERS are the talk of the farm. Seeing is believing and you will be amazed at the performance found only in SNAP-TACH!



NOW WITH DOUBLE ACTING CYLINDERS! AVAILABLE FOR ROW CROP, WIDE FRONT AND SMALL STANDARD TYPE TRACTORS.

ELIMINATE TIME TAKING MOUNTING AND DISMOUNTING



For the first time a LOADER designed to eliminate time-taking mounting or dismounting. The heavy duty design offers years of trouble free service. Available with either single or double acting cylinders. Write for complete information or see your implement dealer.

SEND US INFORMATION ON SNAP-TACH
NAME .....
ADDRESS .....
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DODGEN AND COMPANY
PORT DODGE, IOWA

"They can have this dial phone

"Give me Gertie"

***By* Eva Kuhn**

YOU can say what you please in favor of modernizing farm life, but I say they've gone a step too far when they take away our telephone operators and install that new fangle dial system like they have in the cities.

When they replace Gertie, our operator, with a contraption that looks like a clock and can't speak a word, they've REMOVED a convenience, not installed one.

The very first day I moved on this farm I learned the real value of a telephone operator. I called a friend of mine in the city. It was a business call and required that she call me back in an hour.

Gertie knows the numbers

"I'll call you back," she said to me. "What is your number?"

My phone had just been hooked up that day. "I have it written down on a piece of paper someplace. I'll see if I can find it." Just then, a perk voice broke thru—"It's 142-F-14." That was Gertie. You see what I mean?

Another time, I was writing to a mail order house and needed to know how to spell installment. I called Bessie Thompson and asked her. Before she could answer, Gertie spelled it for me, and it was awfully nice of her. Bessie didn't know if it had two l's or one.

Last year, I was visiting my folks in Arkansas. It was my husband, Clarence's birthday and he was here at home. I felt bad about being away from home on his birthday so I called to see if he was alone and lonesome.

When my call got thru to Gertie's switchboard, I heard her say, "He's over to Johnsons having dinner with them." You see, Gertie wanted me to know Clarence was having a good time on his birthday.

I cancelled the call and went on about my business with a light heart. Show me a dial phone that can give you that service.

Gets her favorite recipes

I can ring Gertie and get any favorite recipe that's going around in our community, or get the correct time of day, find out if the school bus is running, or ask her to peep out the window and see if the library is open.

She's there to locate the doctor when I need him in a hurry, and if I'm alone late at night I always have Gertie to fall back on in case of an emergency.

So, I felt pretty bad when I read in the paper this week that we're getting new dial phones. It's going to take me a good long time to get used to doing without Gertie.

Farm News Briefs

LOAN of $134,000 has been granted by the REA to the Farragut Telephone Company of Farragut, Iowa. Money will be used to extend and improve service in Fremont county. Improvements include conversion to dial system, service to 29 rural families now without telephones, seven miles of new line, rebuilding 45 miles of line and a new dial central office building.

▼ ▼ ▼

LIVESTOCK RESEARCH will be the subject for three speakers at National Pasture-Forage-Livestock conference at Omaha March 10. Dr. Leslie Johnson, head of the animal husbandry department at Iowa State College, will speak on "The next 10 years in research." Dr. L. E. Hanson, University of Minnesota, and Dr. Wise Burroughs, Iowa State College, will discuss swine and beef nutrition.

▼ ▼ ▼

COMMERCIAL meat production in Iowa during 1954 came to more than 2.6 billion pounds. Included in the figures are beef, veal, pork, mutton and lamb. This report comes from the Iowa Cooperative Crop and Livestock Reporting Service. This is the largest yearly production since records were started in 1947. Red meat production in the United States totalled more than 23.8 billion pounds during 1954. This is also a record.

▼ ▼ ▼

THEME of this year's Family Life Conference at Iowa State College, March 29-30, will be "Today's Challenges to Family Living." Featured speakers include Dr. William Henry, University of Chicago; Professor Helen Hurd, Rutgers University, and Mrs. Gertrude Sanford of Ames.

▼ ▼ ▼

COMING EVENTS: National Pasture-Forage-Livestock Conference, Omaha, March 10; National Feed Industry Show and Midwest Feed Manufacturers' Convention, Kansas City, March 14-16; Iowa RYP Assembly, Iowa State College, March 18-20; Fifth Annual Family Life Conference, Iowa State College, March 29-30; Spring Livestock Day, University of Missouri, Columbia, April 1; Institute of Animal Agriculture, Lafayette, Ind., April 14-15.

Bober To Take Sayre's Place

Sam H. Bober of Newell county, South Dakota, is the new member of the Federal Farm Credit Board. He takes the place left vacant by the death of Raymond Sayre of Iowa.

Mr. Bober has been active in farm loan associations for many years. For 19 years, he was president of the Tri-County National Farm Loan association in South Dakota. The Farm Loan Association of his district supported him for the place on the national board.

Mr. Bober operates a big farm in South Dakota. Pure-bred Angus cattle and 800 sheep are two of the major enterprises.

The rush of your Spring work leaves no time for tractor breakdowns. By following the suggestions below, furnished by Skelly Oil Company's Farm Service Department, you can not only reduce wear on your tractor, but you can also expect to work more ground at less cost for gasoline and oil.

Cut Your Tractor Operating Costs

Preventing trouble before it happens is one of the best ways to cut costs. These tips can help:

SOME farmers always seem to be luckier than others. They get more done, have fewer breakdowns. Yet their "luck" is often simply the result of planning ahead to catch trouble before it happens. And, of course, trouble prevented is money in your pocket. Here are some tips that can help you get more work from your tractor and cut lost time to the bone.

First, before your Spring rush starts, give your tractor a complete check-over. If compression is low, a ring and valve job may be in order. Clean and space your spark plugs and breaker points. Replace if necessary. Make sure your transmission and differential are protected by the right grade and type of lubricant. The same goes for wheel bearings. Check your radiator for leaks and tighten all hose connections—overheating is one of the quickest ways to damage your engine. Replace your fan belt if it's worn. And, before you go into the field, be sure all tires are properly inflated.

Once you're in field work, here are some other things to do to avoid trouble:

1. Clean your carburetor air cleaner at least every 10 hours. In dusty periods, every five hours may not be too often. A clogged filter not only cuts engine power, but dirt and grit can "grind out" a good engine in almost no time.

2. Change oil in accordance with manufacturers recommendations.

3. Change your oil filter regularly to protect bearings and cylinder walls against damage.

4. Be careful what gasoline and oil you use, in order to prevent excessive deposits of carbon, gum, and varnish from accumulating inside your engine. These deposits can cause valves and rings to stick, resulting in lost power, poor performance, and high oil consumption.

One of the best and surest ways to prevent these deposits is to switch to the new regular grade gasoline developed by Skelly Oil Company. This new Skelly Regular contains, not just one, but two powerful new additives. One of them is called D-22, and it prevents the formation of carbon, gum, and varnish. The other, D-5, not only helps keep gasoline tanks and lines free of rust and corrosion, but it protects your farm storage tanks as well.

To really get the utmost in power and protection, you should team up the new Skelly Regular Gasoline with Skelly Fortified Tagolene HD Motor Oil, known throughout the entire oil industry as **the** low wear rate motor oil.

When used together, these two products are known as the Skelly Farm "Power Pair," and they can give you up to 10% more power than any other combination of gasoline and motor oil.

So when all brands of gasoline, grade for grade, cost about the same, why not switch to the combination that can help you cover more ground and get more work done with less worry about costly breakdowns?

Why not call your nearby Skelly tank man today?

Your Skellyman will be glad to help you choose exactly the right grades of Skelly gasoline, oils, and greases to give you the greatest performance and protection at lowest cost.

SKELLY OIL COMPANY, Kansas City 41, Mo.

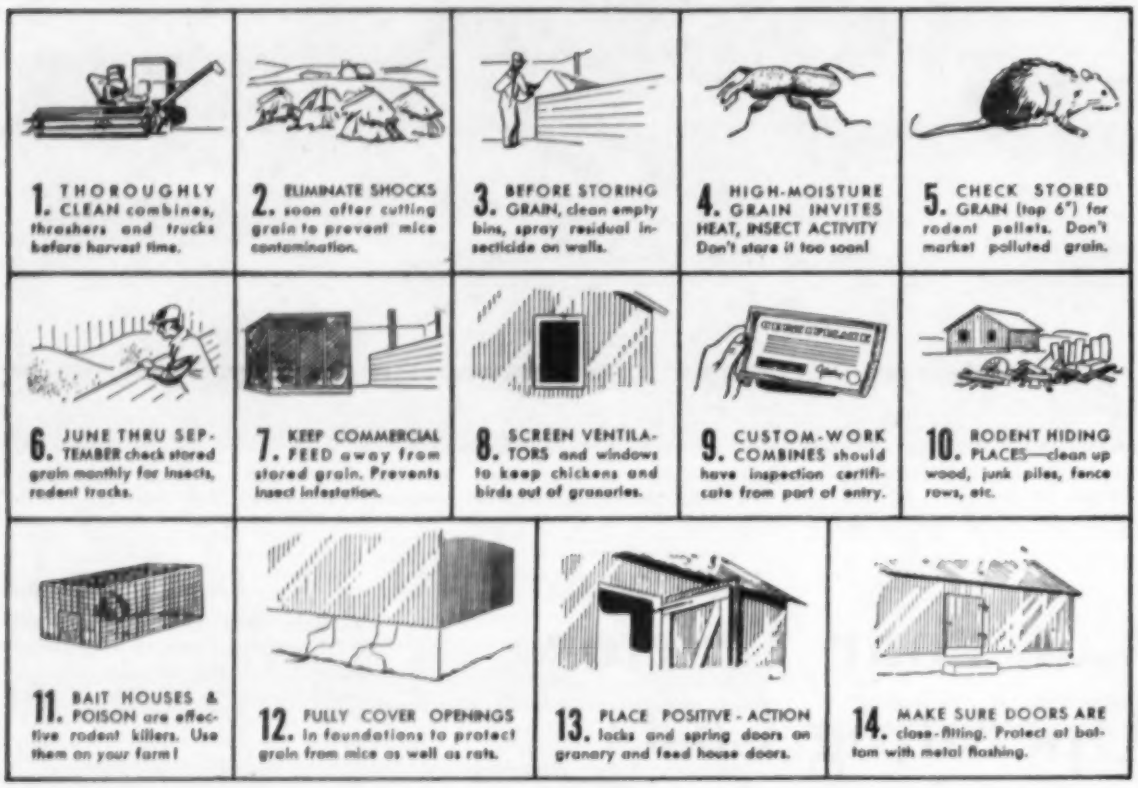
(Advertisement)

15 WAYS TO KEEP YOUR GRAIN CLEAN

Pending Government Crackdown on Dirty Grain Could Cost You $1.00 a Bushel. Here Are Easy Ways to Keep Grain Clean . . . Make More Money!

Soon a government-regulated grain sanitation program may be enacted. When it is, you stand to lose up to $1 a bushel on dirty grain you try to sell! Even now, Food and Drug Officials are checking local elevators, recommending sanitation measures.

In view of these facts, a long range grain sanitation program for your farm is just good business. And here are valuable tips on how to set up that program. Read, clip *and save* this page. It may mean money in your pocket!

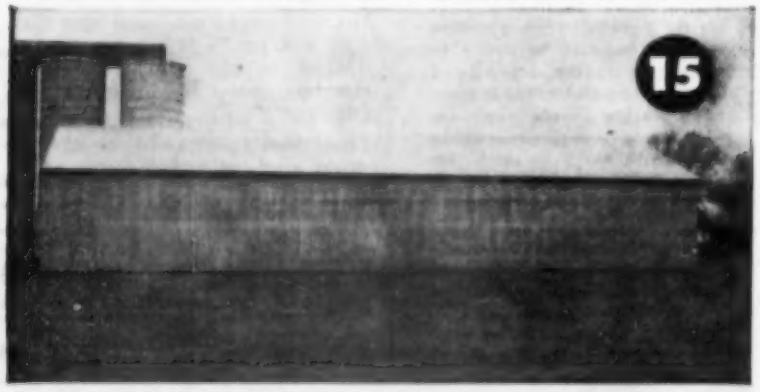


15 Erect a Strongbarn grain storage building!

Build it yourself—Practically Pays Its Own Way—Solves Grain Storage Problem!

With grain storage playing an increasingly important role in farm economy, the addition of a new structure that protects your investment makes practical good sense!

And here's one of the most economical buildings you can erect: a grain storage structure made of STRONGBARN galvanized corrugated steel roofing and siding. The building will practically pay for itself through extra profits you may make by storing grain here a few months. Later, you can use the structure to house livestock or machinery. STRONGBARN is stronger than ordinary 26 gauge steel yet it's 21 lbs. per square lighter. That means you can space framework farther apart, save on materials. Tight STRONGBARN construction keeps out rodents, won't tear, buckle, dent or bend under strains that ruin conventional roofing. STRONGBARN's spring-like toughness offers extra resistance to high winds, heavy loads. Also, STRONGBARN is the first steel roofing manufactured to 1.25 oz. ordered zinc coating as covered by ASTM specification A-361—your guarantee of longer building life. Send for free STRONGBARN building plans today!



This well-constructed 40-foot grain storage building is specially designed to store your grain with maximum safety.

STRONGBARN
GALVANIZED CORRUGATED STEEL ROOFING and SIDING
Guaranteed 1.25 Oz. Ordered Zinc Coated

GRANITE CITY STEEL CO.
Granite City, Illinois

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Building plans for versatile low-cost Strongbarn farm structures, prepared in conjunction with Deere Agricultural Service, Inc., and the University of Illinois, are yours absolutely free by mailing the handy coupon below. Send now! (If plans other than those listed below are desired, we will be happy to forward your request to a supplying agency.)

Please send me, without cost or obligation, the plans checked:
☐ 40 ft. Grain Storage Building (Pole-type Construction) ☐ 52 ft. x 52 ft. Barn ☐ Machinery and Equipment Shed ☐ Dairy Loafing Barn ☐ 40 ft. Barn ☐ Pole-type or Lumber

Name_____ (PLEASE PRINT)
Address_____
City and State_____

GRANITE CITY STEEL COMPANY, Dept. WF-2, Granite City, Illinois

Rural Route Ramblings

By R. F. D.

IT HAS BEEN so long since we have had a real winter in these parts, it is no wonder that I have forgotten a lot of things about winter and was unprepared. If you want to come right down to it, I am generally unprepared for practically everything. And on short notice!

A FEW THINGS come back quickly, however, and one of them is that no matter which way a snow plow comes down a secondary road, the snow will be piled in front of the mail boxes.

THIS, OF COURSE, necessitates getting out at every box and wading thru the snow in search of the mail box. The snow—every flake—creeps down inside that split in the back of your overshoe. When was it you were going to fix it—1951?

I PROMISED my wife I wouldn't mention this, but items are scarce this issue. About two weeks ago, she was avidly scanning a television program sheet. "What do you suppose this 'To Be Ann' program is?" she wondered. "It seems to be on all the stations."

"PROBABLY some soap opera like 'John's Other Head' or 'Portia Lifts Her Face'", I bon motted back.

"LOOK," she insisted. "It is on at all sorts of hours over all sorts of stations."

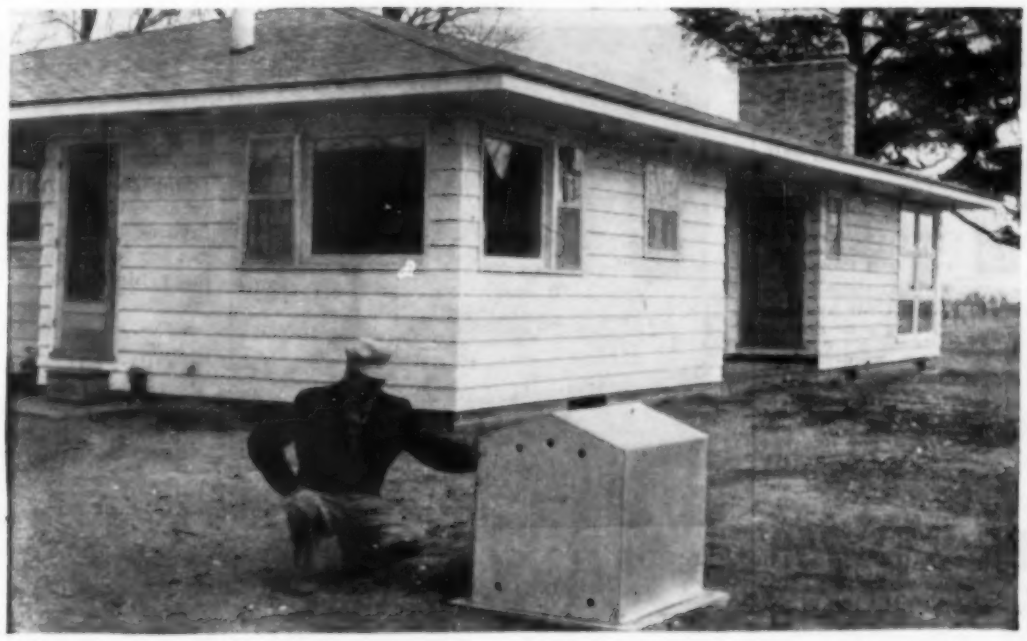
I LOOKED—and immediately wished I hadn't. After a long, long pause, I said, "It means 'to be announced', dear," patting her gently on the head.

IT IS AMAZING how television influences your buying habits. Naturally, we try to buy the products advertised on a program we enjoy. The kids are knee deep in candy and various cereals. My wife is going crazy using all the shampoos advertised. Her hair is hardly ever dry these days.

AS USUAL, I have maintained my icy calm. I'll admit I might look a little eccentric puffing on four different brands of cigarettes all at the same time . . .

BUT, IN MY small way, I am helping pay for my television programs.

"A baby sister! What's the matter, Ma? You slipping?"



Southwest corner of Clifford Olson's new house in Webster County, Iowa. He inspects the pump in rear of his house. Wire here is separate from house wiring. A fire will not break electric circuit.

Wide windows on either side of living room fireplace. Hot air from ventilating fan is forced outside thru vents in wide eaves.

Farm family builds new home

Bathroom has tile walls and plenty of storage. Tub is always warm in winter. Heat coils are under floor.

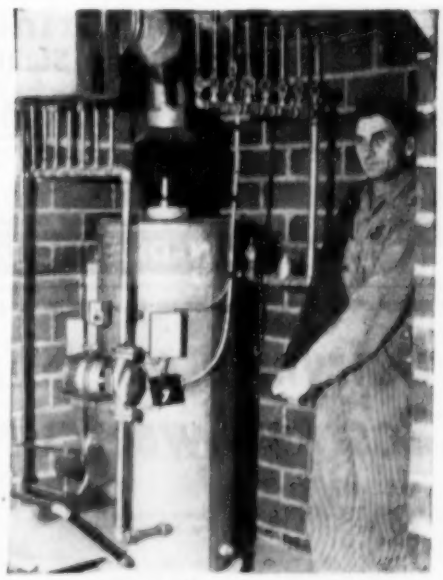
CLIFFORD Olson, a farmer in Webster county, Iowa, is building a new house. He is incorporating a lot of new and interesting ideas.

There are several large thermoglass windows that give a good view of the farm and let in a lot of light. A large fan built into the ceiling of the hallway is capable of changing the air in the house in a few minutes.

Wide eaves will shut out the hot summer sun. Lights built into the eaves in the back will light the patio they plan to build.

Full basement has a recreation room with a fireplace, utility room, fruit room, etc. Cliff is reserving one room for his office.

The three Olson children can make plenty of noise if they wish. Inner walls of the house are insulated for quietness.



A small, compact furnace heats the seven-room house. Shower bath, behind Cliff, is close to back door.

Good view overlooking farm yard from the breakfast nook. Mrs. Olson has a garbage disposal, washing machine and all birch cupboards.

A bedroom to grow into—three year old Cynthia helps her mother make her bed. Corner windows provide good light and ventilation.

Announcing NEW *Twin Draulic*

YEARS AHEAD In Hydraulic Loaders

A — NEW Rear-Axle POWER-PUSH Hydraulic Action.

B — NEW Convenience. Put on or taken off with 4 pins.

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D — Patented, Variable Ratio Mechanism for Speed and Power.

Exclusive with Twin-Draulic is the Rear-Axle POWER PUSH hydraulic cylinders with single or double action. This distributes the lifting weight to the rear to increase traction. Digs, scoops, lifts and dumps in one smooth, time saving operation. Patented adjustable ratio controls power and speed. No other loader gives all of these new time and work saving features. It's the loader that is years ahead for convenience, power and safety.

Twin-Draulic Loader mounted on Ford Tractor. The greatest loader ever produced for Ford, Ferguson, John Deere 40-U and Oliver 55 tractors. OTHER MODELS FIT ALL FARM TRACTORS.

Tractor-Mounted SPRAYER $157.50 FOB Factory

for 3 point hitch tractors. Universal Sprayer for standard tractors only $10 additional.

Booms available for spraying 32% Liquid Nitrogen.

6 Row and 8 Row Booms

Save Crops and Increase Yields

NEW! Here is the all-purpose farm sprayer you've been waiting for to kill weeds and control insects. Get all of the heavy duty features of sprayers double its price . . . reinforced booms swing through gates . . . non-corrosive construction . . . PTO high pressure pump . . . self-agitating action and complete control from tractor seat. Send for FREE circular on Twin-Draulic tractor-mounted and trailer-mounted sprayers and Spray Kits. Get the best and save money, too.

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Do away with dull blades when discing, drilling or mowing; make more dollars per acre. Takes the work out of sharpening farm tools. No taking off blades. Sharpen right on the implement. Also grinds axes, scythes, etc. Easily converted into a power saw when building and repairing. Make extra money doing sharpening for neighbors.

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Read What They Say:

"My STA-FRESH treated silage came out as green and sweet-smelling as the day I put it up."

"You should have seen my cows clean up the STA-FRESH silage—and no more silage stink!"

"It's the best way to get good silage I've ever come across. I'm using STA-FRESH from now on."

Yes, dairymen across the country are talking about STA-FRESH Sodium Bisulfite . . . the low-cost, easy-to-use powder that keeps silage fresh and full of good food value. Here are some of the reasons STA-FRESH has earned such enthusiasm:

1. *MAKES BETTER GRASS SILAGE.* By keeping silage fresh, STA-FRESH not only eliminates the "stink" of ordinary silage but helps the silage retain more food value. That means STA-FRESH Silage *is better for your cows.*

2. *LOW-COST, EASY TO USE.* Only eight pounds of STA-FRESH treat one ton of chopped grass. A simple applicator that you can make yourself mixes in the STA-FRESH powder while the grass is being blown into the silo.

3. *COWS LIKE STA-FRESH SILAGE, EAT MORE OF IT.* In tests where cows were given a choice between STA-FRESH silage and other silage, they ate *four times* as much of the STA-FRESH silage.

Write now for free booklet showing you how to get good green silage with General Chemical's STA-FRESH Sodium Bisulfite. There's a handy section on how to make your own applicator. And see your Orchard Brand dealer today—while his supply of STA-FRESH lasts!

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Box W35

WIND-KING ELECTRIC MFG. CO. MERRILL IOWA

"No," said Darrel Werner, Union county, Iowa, when asked if he favored raising the gas tax to widen primary highways.

"Yes," said Robert Bronleewee, Winnebago county, Iowa, to the question: Should gas tax be raised to widen primary roads?

Farmers oppose extra gas tax

Wallace-Homestead Poll gets answers on how to balance Iowa state budget

INCREASE the gas tax to widen roads? No, says an Ida county, Iowa, farm woman. "With speed limits down, roads are plenty big enough."

A Story county, Iowa, man takes the other side. He says, "I don't think one cent extra tax will break anybody up."

Those represent the two viewpoints among Iowa farmers about boosting the gas tax to widen the paved roads. And farmers are split pretty even on the issue.

This is revealed by a Wallace-Homestead poll of farmers. Farmers of all kinds were asked this question:

"Would you favor an increase in gas taxes to speed up widening of main primary roads?"

The "no" vote won by a narrow margin. About 53 percent opposed extra taxes and about 47 percent favored the proposal.

Those who favored gas tax increases were asked how much increase they would approve. Answers were:

1. One cent .....76.4 percent
2. Two cents .....22.4 percent
3. Three cents .... 1.2 percent

So it appears that farmers are not too concerned about primary road widening. Of those who favor it, three-fourths would increase gas taxes only one cent. Very few approve three cents increase.

What about general tax increases? It's known that present taxes will not support present services without a deficit. And extra appropriations are said to be needed in several areas.

Governor Leo A. Hoegh has recommended that annual state appropriations be increased over 31 million dollars. He would get a good part of the money by making sales taxes apply to services as well as goods.

Farmers were asked to choose among four methods of raising extra money. Question was worded this way:

"If Iowa must have more revenue to keep present services and a balanced budget, which of the following ways to get the money do you approve?" Here are answers in percentages:

1. Increase income tax 20.9%
2. Apply sales tax to services 21.4
3. Increase sales tax rates 24
4. Levy state property tax 6.7
5. Other, or no answer..27

Increase of sales tax rates seems to be a slight choice among farmers. Rates are now two percent.

But almost as many would increase the income tax or apply sales tax to services as well as retail sales.

Only about one farmer in 16 favors a state property tax to raise the money. But over one-fourth had no choice among the five methods.

A political division appeared in the poll. Those who said they favored Republicans in 1952, voted much stronger for income tax increases than did those who favored Democrats. Democratic voters showed strong support for using the sales tax to get extra money.

Income tax increase was favored more by young than old.

1948 - 1949 - 1950 - 1951 - 1952 - 1953 - 1954

BP Sets Greatest Performance Record In Pork Production History!

at the CHICAGO INTERNATIONAL

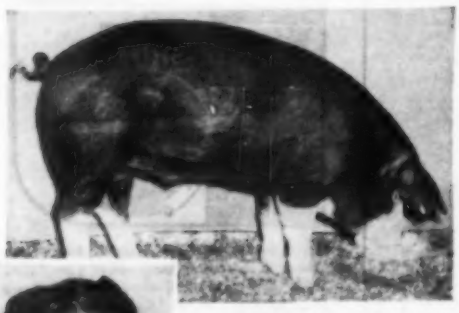
All Three of these Top Awards were won by BP fed Hogs in the World's toughest competition.

BP fed hogs started winning top awards in 1948.

To date they have won: 5 Grand Champion Carloads, 6 Reserve Champion Carloads, 12 Weight Champion Carloads, 3 Grand Champion Barrows (over all breeds), 9 Champion Barrows, and 3 Grand Champion 4H Barrows.

Feeders buy BP because it's rich in fish solubles, high in animal protein and loaded with vitamin fortification to produce a firm meaty carcass of championship quality

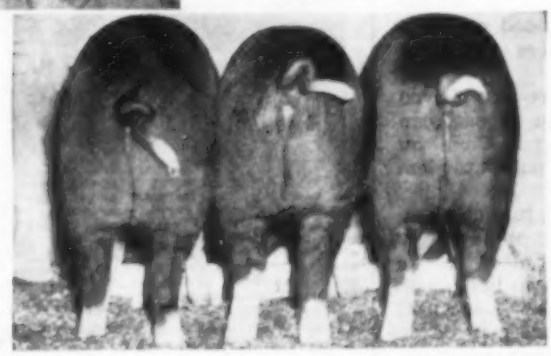
Protein Blenders, Inc., Iowa City, Iowa



GRAND CHAMPION BARROW
over all breeds—700 head

BP fed—shown by
Oscar Anderson & Sons
Leland, Illinois

GRAND CHAMPION PEN OF THREE
(over all breeds)



RESERVE GRAND CHAMPION CARLOAD

BP fed—shown by Milo Wolrab, Mt. Vernon, Iowa, who also showed the Grand Champion Carload in 1953 and 1952.

Oscar Anderson and Milo Wolrab have made record breaking history for years with their BP fed Polands and Berkshires. Write or visit them on how to produce Champion meat type hogs—they are qualified to tell you—they are among the nation's outstanding swine producers.

BP ...for BETTER PIGS From Creep to Market!

- **19% BOTTLE BLEND** (Early Weaning Meal)—Here is the proven fast start for the litters you want to wean early and be sure of vigorous growth and vitality. Percentage of milk, sugar, rolled oats and antibiotics guaranteed.
- **19% BABY BLEND** (Pig Starter)—The right follow-up for Bottle Blend, real economy up to eight weeks. The first rolled oats base, sugar sweetened starter ever built—and still the best.
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- **45% BUTCHER BLEND**—Low Cost Butcher Blend with 5% fish solubles. Contains 800 lbs. of animal protein, 45 grams Antibiotics per ton . . . takes your Hogs from 125 lbs. to market.

FEED of CHAMPIONS
FOR MARKET OR SHOW RING

BP ...and the HOFFMANS Team Up For Top Honors at Major Fat Steer Shows!

Karl and Jack Hoffman of Ida Grove, Iowa, have won 11 Grand Championships, 15 Breed Championships during the past three years. All exclusively fed BP Beef Brickle.

Karl says, "Beef Brickle is a cattle feed that will go 12 months without help. It gives me the results I want and must have better than any other feed. Our market cattle respond to Beef Brickle even better than our show cattle. And to top it all off, my cattle are 'Bonded' in case I should have a feed lot death."

KARL HOFFMAN . . GRAND CHAMPION CARLOAD . . Kansas City Royal

BP fed—shown by Karl and Jack Hoffman of Ida Grove, Iowa

Dairymen know this famous TRADEMARK means dependable quality and . . .
Results--

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NATIONAL
No-Milk
CALF FOOD
WITH YOUR OWN GRAINS

Generations of successful dairymen know National's famous "calf-in-bucket" trademark means product quality—the way to raise herd replacements at the lowest cost! Start calves on National No-Milk Calf Food . . . and grow 'em out on National No-Milk Heifer Pellets. Try raising your calves the National way, using your own grains. You'll be glad you did!

See your dealer

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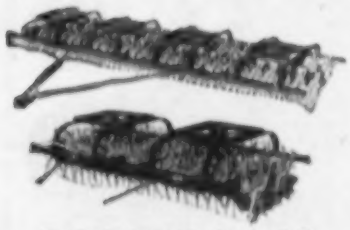
Since 1885
FOND DU LAC WISCONSIN

America's Favorite Hoe



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Increase yields on all crops, row or broadcast. Mulches, aerates soil. Don't wait for soil to crust . . . use after planting to kill weeds and condition ground. 2 or 3-row hydraulic lift. 1 to 6-row pull type.

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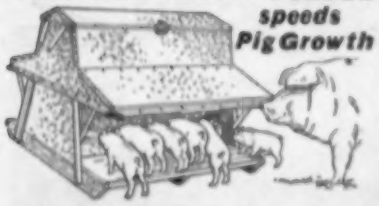
BROWER CREEP FEEDER
speeds Pig Growth



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NO. 40F—Body of 20 ga. rust resisting Armco Zinegrip. Heavy steel top. Weatherproof, sanitary, easy to fill. 8 bu. cap. Accommodates 75 pigs. Length 4'; Ht. 35½"; Width 33", Shipped KD (175 lbs.) Easily assembled.

PRICE: $51.50 F.O.B. Quincy

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BROWER MFG. CO., Box 8399, Quincy, Illinois

Stalk cutter ahead of tandem disk helps Paul Timmerman, Henry county, Iowa, cut up stalks to make better seedbed.

Grow good oats and seeding

Here are tips on how to boost oat yields and still start a thick, vigorous seeding

GET MORE profit from oats. And establish a good seeding at the same time.

Even if you follow oats with a row crop, it pays to include legumes for green manure.

Here are things you can do for more oats and better seeding.

1. Choose adapted varieties. Iowa State College tests show no difference between oat varieties as a nurse crop. So plant good seed of a recommended variety.

You'll want to use good legume and grass seed, too. Certified seed is the safest bet.

2. Clean and treat oat seed. No need to sow weed seed. Most farms have enough already. And you can do a better job of sowing clean seed.

Seed treating helps protect against seed rots and some diseases. It gets seedlings off to a better start, too.

3. Inoculate legumes. Inoculation costs little. And it is good insurance.

Inoculation often helps legumes fix more nitrogen from the air. At best, legumes get about two-thirds of their nitrogen that way. It pays to let them do all the nitrogen fixing they can.

4. Prepare a good seedbed. A good seedbed is firm and level. Trash should be plowed under or cut into small pieces. Otherwise, it can make even seeding difficult.

Plowing usually adds four to six bushels per acre to oat yields. But the added cost and time about balances the extra yield.

If corn stalks are not plowed under, disk enough so oats can be drilled and covered. Count on at least twice over with a tandem disk.

Plan one disking just at planting time to kill a crop of weeds.

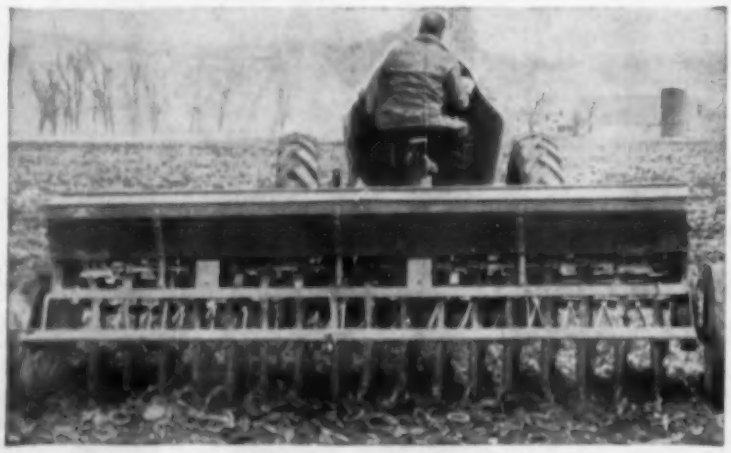
Seedbed doesn't need to be deep. An inch or two is enough. But it must be firm. Loose soil drys out fast and may leave seeds without enough moisture.

A good seedbed is important enough to delay seeding a few days if necessary. Up to the middle of April in central Iowa, nine days of delay in seeding cuts oat yields about two bushels per acre. After that, yields drop off faster.

Early planting was more important with old varieties of oats. But it still doesn't pay to delay longer than necessary.

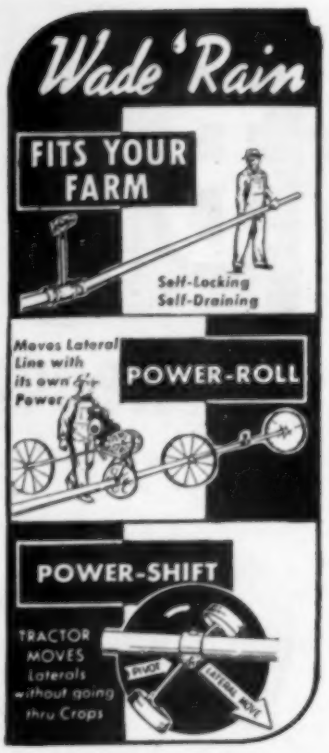
5. Seed carefully. Drilling often increases oat yields by two to 10 bushels per acre.

(Continued on next page)



Drilling oats, fertilizer and legume mixture in one operation saves time. Corn stalks have been cut with disk. Charles Fricke of Henry county, Iowa, on tractor.

Wade 'Rain



Our "FARM FACTS" folder helps you assemble irrigation facts about your farm. Write for your FREE copy and the name of your local Wade 'Rain dealer.

A. E. ROBISON, Inc.
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If you want a good ANGLE DOZER... You Can AFFORD the NEW DUNCAN!

NEW DESIGN decreases front-end weight and overhang . . . increases maneuverability! Simplicity of design, rugged construction guarantee long life and continuous, trouble-free operation. Handles toughest jobs—takes ANY abuse a crawler will give it! Blade can be changed to any desired angle in minutes. Is quickly converted to tool-bar use by removing blade and reversing push-arms!

Angle-Bulldozer with HYDRAULIC LIFT, ready to attach, made for:

TD-9, D-4, HD-5 and Oliver B..... (model AD-1A) **$1485**
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Angle-Bulldozers for other MAKES and SIZES of Crawler tractors AVAILABLE!
Write for specification folder and name of nearest dealer TODAY!
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Removable steel roof for temporary wood slat or wire cribs or permanent steel cribs. Easy to assemble. Very quickly dismantled. Adjustable to all size cribs. Strong and rigid construction built to withstand high winds. Securely bolted to crib. Should last a lifetime.

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PROTECT YOUR HERD
AUTOMATIC
CATTLE CURRIER

Keep your cattle clean and healthy without fuss or bother. Do it automatically, effectively, economically. Cattle like it. Removes stock pests conditions hide and hair.

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which includes new special spray concentrate for mixing with your own water or oil.

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than hand unloading!

ONE MAN with a St.Paul Dump-it hoist can do the work of 10 hand-shovelers — in unloading grain, silage feed, etc. See your St.Paul distributor for latest facts and figures, or write for free folder. St.Paul Hydraulic Hoist, Customer Service Dept., 36109 Main St., Wayne, Mich.

7 Dump-it models . . . from 6½ to 14 ton capacity, for all farm trucks from 60" C/A to 120" C/T tandems. S-DF-8

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***New* POST HOLE DIGGER AT A *Down-to-Earth* PRICE**

Suggested List Price **$130.00** f.o.b. factory—9" auger

Attaching Kits for various tractor models, slight extra cost.

Gears Guaranteed 2 Years w 500 hrs. • Genuine TIMKEN BEARINGS

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Inoculate legumes for more nitrogen and better stand.

(Continued from last page)

Many drills have fertilizer and grass seeding attachments, too. This can save trips over the field and give best fertilizer placement.

Drilling saves about a bushel of seed per acre. Recommended rates for broadcasting are about two and a half to three bushels. One and a half to two bushels is the rate for drilling.

Frank Zrostlik of Hancock county, Iowa, says, "The advantages really sold me on drilling oats. I even drill on the contour so rows run around the hill and stop erosion."

In spite of these advantages, many farmers stick with broadcasting. Big reason is that high cost of drill about offsets the gains from drilling.

Legume and grass seed needs special care. It should be covered with a fourth to a half inch of soil. Seeds covered deeper seldom grow.

Best bet if you broadcast is to roll the field before and after seeding. That gives about the right depth of seeding and leaves the seed bed firm.

6. Fertilize as needed. Both oats and new seeding are likely to need fertilizer. Follow soil test recommendations for best results.

Even without a soil test, you can make a close guess on what is needed.

Most oat fields can use some nitrogen. Here's a general guide:

If you expect oats to yield less than 30 bushels per acre without fertilizer, use 30 to 40 pounds of nitrogen per acre.

If you expect 30 to 50 bushels, use about 20 pounds of nitrogen.

If you expect more than 50 bushels, about 10 pounds is enough. Add no nitrogen if you think oats might lodge.

About 40 to 60 pounds of available phosphate per acre is a good guess for most soils.

Only a few soils need potash. But you can almost count on a profitable response from potash if soils are sandy.

For more details see article "Oats and seeding need fertilizer" in the February 19th issue of Wallaces' Farmer and Iowa Homestead.

In case you don't get enough phosphate and potash applied at seeding time, more can be topdressed later. But don't count on topdressing to do the whole job. You can expect a better legume stand if some is applied at seeding time.

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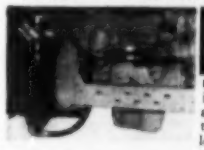

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RELIABLE WARFARIN RAT KILLER

A WALLACE-HOMESTEAD POLL

We asked:

- **How many chicks did you buy last year?**
- **How many chicks will you buy this year?**
- **Did you buy sexed or mixed chicks last year?**
- **Will you buy sexed or mixed chicks this year?**

How many chicks?

by **Ray Franklin**

No chicks will be bought by Mrs. Leslie Midlang of Worth county this year. She bought 500 last year. Like many other poultrymen, she's discouraged after a bad year.

Same number chicks will be bought this year as last year by Doyle Barnett of Ringgold county. He bought 150 chicks last year.

HAVE low egg and poultry prices discouraged Iowa poultrymen? That's what the Wallace-Homestead Poll wanted to find out.

So the Poll asked a representative group of Iowa farmers and farm wives the four questions printed above. Answers are given below and on the next page.

Farmers' answers indicate they'll buy fewer chickens than last year. But Iowa will probably keep its position as the No. 1 egg-producing state.

Despite the drop in egg prices, most Iowa farmers are sticking to their regular production plans. As one Mitchell county poultryman said:

"Egg production is one business you have to stay in year after year if you want to be successful. If you have a laying house and equipment, you may as well keep the house full of layers."

The first question asked by the Wallace-Homestead Poll was "How many chicks did you buy last year?" Here is how farmers answered:

1. 100 chicks	17.9%
2. 200 "	29.6
3. 300 "	39.3
4. 500 or more chicks	13.2

To get a comparison for this year, farmers were asked "How many chicks do you plan to buy this year?" Here's how they answered:

1. 100 chicks	17.1%
2. 200 "	24.5
3. 300 "	30.0
4. 500 or more chicks	8.6
5. None or undecided	19.8

About the same number say they will buy 100 chicks this year as last year. These are mostly farmers with small laying houses. It isn't the small producer that causes overproduction.

Five percent fewer farmers will buy 200 chicks this year than last year. And over nine

(Continued on next page)

SAVE MORE PIGS with a FARROWING STALL

by Henry Arthur

AN IOWA FARMER farrowed 600 pigs unattended in his farrowing stalls with only six pigs killed by the sows. A Minnesota farmer lost only one in the same manner out of 400 farrowed. These records are not unusual. You can do as well by using farrowing stalls. Here are the dimensions for a do-it-yourself project:

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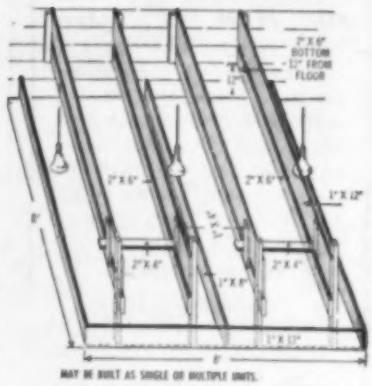
Width	24 in.	20 in.
Height, overall	36 in.	36 in.
Distance: Floor to lower panel	12 in.	10 in.
Confined space for pigs on each side of stall	16 in.	12 in.



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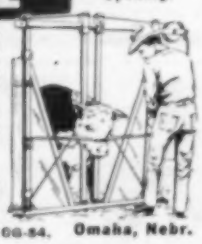

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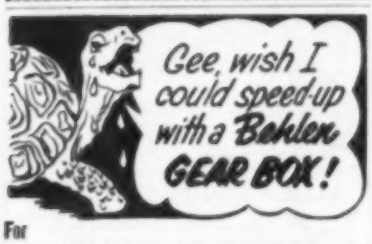

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Undecided about buying chicks this year is Mrs. John Hanks of Ringgold county, Iowa. She bought 200 last year but thinks she will buy less this year.

Some producers discouraged

(Continued from last page)

percent less will buy 300 chicks this year.

About five percent fewer farmers will buy 500 chicks this year.

The big difference may come in the 20 percent who will either buy no chicks this year or are still undecided on how many chicks to buy.

"We haven't decided how many chicks we will buy this year. We are waiting to see what other people do," says a Butler county farm wife.

Other farmers were sure they wanted out of the egg business. A Union county farmer says, "I don't think I'll worry about getting more chicks. I just want to get rid of the 700 we have now."

Many egg producers are discouraged as reflected by a Palo Alto county farmwife. "Guess I won't raise a chicken this year as they haven't paid out this season. With feed so high and eggs so cheap, it seems I'm doing a lot of work for nothing."

The Wallace-Homestead Poll asked "Did you buy sexed or straight run chicks last year?" Here is the way farmers answered:

1. Straight-run 31.4%
2. Sexed 54.0
3. Don't remember.....14.6

Farmers were also asked "Will you buy sexed or straight-run chicks this year?" The answers were:

1. Straight-run 30.1%
2. Sexed 39.4
3. Undecided 30.5

More than half the farmers bought sexed chicks last year. About 40 percent intend to buy sexed chicks this year. The 30 percent that is undecided could bring the percent sexed chicks up to last year's level.

"We will buy only enough cockerels for our own use this year. We had to dress the ones we raised last year before we could sell them," says a Guthrie county farmer.

A Mahaska county farm woman says "If all farmers would cut down on chickens, it might bring egg and chicken prices up."

Egg prices are going up. This may keep some of the farmers "in" that had decided to get "out."

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Boost sales tax, exempt food

Iowa senate passes tax-raising bill and Farm Bureau-extension divorce

THE Iowa senate passed two major bills in the week before adjournment for spring vacation February 25 to March 7.

First bill to be approved was the one to separate the Farm Bureau from the extension service. The other bill is aimed to raise over 20 million dollars in extra revenue.

The tax bill would increase the Iowa sales tax to three percent instead of two percent. But some foods would be exempt from any tax at all.

It's unlikely that the tax bill is in final form. The house has another bill which would retain the two percent rate, but apply it to services as well as goods.

And there might be changes in the Farm Bureau divorce bill. But here are the votes on the bills and the general provisions as they go to the house.

Vote on the senate bill to transfer management of the county agricultural extension work from the Farm Bureau to 100 elective extension councils was 44 to three.

Three were listed as absent or not voting.

Votes against the bill were cast by Senators D. C. Nolan, Johnson county; Emory Stewart, Mahaska, and De Vere Watson, Pottawattamie.

Absent were Senators Samuel Burton, Wapello; J. T. Dykehouse, Lyon, and Charles S. Van Eaton, Woodbury. All other senators voted for the divorce bill.

The senate made some changes in the original bill. As it was approved and sent to the house, it carried these provisions:

Each county can levy up to a half mill for support of extension work. But the total may not be over $20,000.

The county extension council shall include three town or city directors elected at large. Each township will have one farmer representative.

Physical separation of the extension service from the Farm Bureau is provided by the senate bill. It's ordered that the extension council and the Farm Bureau shall not share the same office space. They have until January, 1958, however, to complete this part of the separation.

The up to a half mill levy, limited to $20,000, is to replace both the county appropriation and the contribution of Farm Bureaus to county extension work.

Last year, counties provided $571,741 thru taxes for county extension aid. Farm Bureaus paid $383,759 from their dues. State and federal contribution was $632,328. Total is $1,587,828. Average per county was between $15 and $16 thousand.

Senators passed the three percent sales tax bill by a vote of 31 to 18. Senator Albert Weiss of Crawford county was listed as absent or not voting.

The 18 senators who voted against the three percent sales tax were: Burton, Clark, Dailey, Dykehouse, Elwood, Grimstead, Larson, McManus, Miller, O'Mal-

(Continued on next page)

PAW TUCKER—Should've measured the garage first!

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New, Adjustable and Calibrated SEED CHUTES assure a more accurate seed pattern for better stands of all small grains and grasses.
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IT MOWS Cuts fence rows, fields and lawns. Clears away undergrowth. Works equally well on flat or hilly terrain.
IT CULTIVATES Replaces four separate garden tools! Cultivator attachment works most any kind of soil including rocky ground.
IT SAWS Big 20-inch blade can be used in either horizontal or vertical position. Stand keeps blade off ground.
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Manufactured Exclusively by
BACHTOLD BROTHERS, INC.
FARMER CITY, ILLINOIS

TRAK-TOR SPRAYER by FARNAM
ONLY $69.50 Ad 18
Plenty of pressure and volume for spraying livestock, farm buildings, orchards or fence rows —up to 350 lbs. pressure (4½ gal. per minute) at normal PTO speed.
COMPLETE KITS "Ready-To-Use"—Equipped with NYRO "Nylon-Roller" Pump, the tractor pump proved best for both performance and wear. Complete with all controls, gauges, hose, fittings and connections. The low-cost answer to your need for a high pressure sprayer for livestock and other uses!
WRITE For Catalog showing variety of Trak-Tor Sprayers offered, also "Wide-Jet" Sprayers. All at new low prices! Also "30-Day Trial Plan". Write—
Farnam Co., Dept. TS-84, Omaha, Nebr.

Lowest Cost Digger
Save up to $100.00 Cut Fencing Cost
New, one man super digger digs quick, clean holes in any soil. Fits all hydraulic lift tractors. Timken Bearings. Hardened steel gears, heavy duty universal. 44" auger in 6", 9", 12", 18" or 24", replaceable tool steel cutting blades, oversize steel frame.
WRITE FOR FREE FOLDER TODAY!
WIND POWER
NEWTON, IOWA

GOOD FARMING PAYS

WESTERN Sprocket PACKER & MULCHER

KILL CORN BORERS!

It pulverizes, mulches and firms soil. IT DOES NOT UNCOVER CORN STALKS that have been plowed under, therefore corn borers in these stalks are smothered in the ground. Saves time, labor and horsepower preparing ideal seedbed. Leaves surface mulch without grooves, which greatly helps to prevent washing. This seedbed conserves moisture, saves seed because more of the seeds grow; and helps to increase yields of all crops. Great also for rolling in clover and grass seed and breaking crust on winter wheat in spring. Find out why it does the work so much better, easier and faster. Be sure you get the genuine WESTERN. Write for full information.

NEW WESTERN Bear Cat SEED BED MAKER AND SEEDER

For Seeding between wide corn rows 2-sizes

3 in 1 Combination spring tooth harrow, sprocket packer and mulcher plus Seeder. Gives maximum seed bed preparation. Delivers concentrated weight and power where needed. Levels ground. Pulverizes, packs, and mulches, then heavy spring teeth shovels cut and further break stubborn clods, lumps. Rear self-cleaning sprocket-packer roller further pulverizes, packs, and mulches. Leaves ground in 1st class seed bed condition for any grass, clover, or grain seed. With Seeder—seed is pressed firmly into soil by both Packer and Mulcher Wheels. Leaves surface mulch without grooves. Great help in preventing washing, crusting, blowing. Holds moisture. Write for full details.

WESTERN LAND ROLLER CO., Dept. 172-31
Hastings, Nebraska — Manufacturers

Lumbermen who depend on horse power...depend on

ABSORBINE

● In the Maine woods, horses can't be beat for yarding logs. And the men who run these operations know there's no liniment for horses more effective than dependable Absorbine.

A finishing rub with Absorbine can prevent lay-offs due to galled shoulders or sore necks. By treating bruises and swellings with Absorbine early, it's possible to prevent a more serious case of ringbone or bog spavin. Does not blister skin. Only $2.50 for large bottle at all druggists.

W. F. Young, Inc., Springfield, Mass.

PIG CASTRATING HOLDER

Castrate pigs 2 to 3 weeks of age by yourself. Hundreds in use—$4.95 plus tax postpaid. Agents and Dealers wanted. Pat. Pending.

MILLER MANUFACTURING CO.
New Sharon, Iowa

HERCULES CORPORATION

Don't gamble on seed oats!

Plant proven, tested varieties adapted for your area. Check these top yielding new varieties:

● SAUK ● CLARION ● RODNEY
● CLINTLAND ● WAUBAY

There is no substitute for certified seed.

2101 W. 78th St., Minneapolis, Minn.

Egg grading law introduced

(Continued from last page)

ley, Rigler, Schroeder, Shaff, Stewart of Mahaska, Utzig, Van Eaton, Walter, and Watson of Pottawattamie. All others voted for the bill.

The bill provides for increase in sales and use taxes to three percent. But these food items are exempted from any sales tax at all:

"Butter, fresh milk, oleomargarine, rolls or bread, either baked or to be further baked, eggs in the shell, Irish potatoes in their natural state, fresh or frozen meats or fish, fresh or frozen poultry."

It will be noted that some foods, including canned food and cured meats, will not be exempt from tax. The three percent rate would apply to those foods.

The senate bill is designed to produce over 20 million dollars of extra revenue each year.

Some predict that the house will pass its own tax-raising bill in some form and then the final tax bill will be written in a conference committee of representatives and senators. That's a common procedure on controversial legislation.

Less than the usual number of bills directly affecting agriculture have been introduced.

The legislature completed action on the bill to extend the deadline for filing state individual and corporation income tax returns from the present March 31 to April 30.

The senate passed a bill to exempt from taxation honey while it is kept on the farm where produced.

Governor Hoegh signed an act to increase the 35 miles per hour speed limit for school buses to 45 miles per hour, and to 50 miles per hour when the buses are used for transportation of pupils for extra-curricular activities.

The house passed a bill to legalize sale of milk in gallon and third-quart containers.

The new egg grading bill was introduced in both houses.

The house killed a bill to declare hemp and ragweed noxious weeds.

The senate agriculture committee introduced a bill relating to Bang's disease. It permits shipping domestic cattle between owners for feeding purposes under the same regulations, including quarantine, applying to shipment of cattle into Iowa.

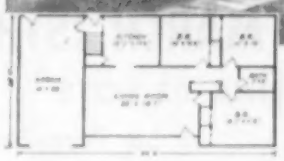
The bill provides for area testing of breeding cattle herds in a township or a whole county upon petition by 65 percent of the resident owners of 75 percent of the breeding cattle in the area. Testing would be free within limits of the state appropriation.

The bill is much like the bill of 1953, which failed because the house could not agree on a bill sent to it from the senate.

The senate confirmed one of Governor Hoegh's nominations of four new highway commissioners, and refused to confirm two while the fourth nomination was pending.

How To Save UP TO 30% with a *Beautiful* KOZY Home

At Last, "Ready-Built" Means "Better-Built"



Spacious 3-bedroom "Hillcrest" model with attached garage is one of 10 KOZY homes to choose from. You have a choice of floor plans—to suit YOU!

Huge Quantity Purchases of Finest Materials Offer Quality Homes—*AT A TERRIFIC SAVING!*

POSITIVELY THE FINEST craftsmanship and styling you've ever seen in a ready-built home! KOZY purchases quality materials in huge lots — to save you money from the start. Then homes are factory-built — in sections — with all the skills and equipment of mass production. No costly waste of materials; nothing but the most skilled craftsmanship. You can either erect home yourself in a matter of weeks. Or have it completely erected for you by nearest KOZY DEALER.

PRECISION-BUILT! KOZY's rapid, skilled factory workers and newest type equipment help you cut costs. Sections all jig-built to give every detail engineered precision. Each separate unit — walls, doors, windows, roofing sections — are inspected, shipped in perfect condition. Each section a perfect fit — to speed erection, get you INTO your beautiful new home in record time! By finished appearance, you cannot tell the home is "pre-fab."

SUPERIOR SPECIFICATIONS! Only the highest grade materials! T & G 6" sub-floor; oak finish floor; tempered Masonite or Cedar siding; 25/32" Bildrite insulation sheathing under siding (warmer and stronger than lumber); treated weather strip 4-balance windows; all doors birch slab; Fiberglas insulation; trussed rafters. Even door and window hardware of very top quality. Many purchasers take advantage of optional floor plans. Fireplace, other items, can be added if desired.

GUARANTEED! For 42 years we have backed every KOZY building with a positive guarantee of workmanship and materials.

TOM H. GODWIN
TOM J. GODWIN

WRITE FOR FOLDER, MANY MODELS AND SIZES.

KOZY MFG. CO., Dept. 16, Exira, Iowa

PLOW CLEAN FASTER

Decrease Draft About 14%
NEW SELF-ALIGNING
DISKOLTER

GUARANTEED NOT TO BREAK

Only unit with essential self-aligning feature in coulter arm, returns it to original setting when hitting fixed object. Coil Spring offers greater stability, lessens torque on set screws. Lets you plow more acres in much less time, yet plow cleaner. Excellent for corn borer control. Fits any plow with ROUND SHANK, without slipping. NO CLOGGING.

New! Combination Sweep and Shield for ALL Row-Crop Cultivation

Culti-Shield Has REPLACEABLE SWEEP & POINTS

USE HIGH SPEED the first time over. Offers you faster, better, cleaner, easier cultivating, with life time use. Adjustable to throw any amount of dirt. Fits any cultivator shank. No other shield needed.

Ask your Dealer or Write for free Literature.

CALHOUN MFG. CO., INC.
Cedar Falls, Iowa

Innes WINDROW PICK-UPS

We claim it's the best because it gets *off* the grain in so quickly, without wrapping, shelling or clogging. Easiest there is to put on and take off. Built to last. Ask your dealer or write us for full information — address Innes Company, Bettendorf, Iowa

RIGHT ... *from the Ground Up!*

Innes products in this area are distributed by
PORT HURON MACHINERY CO.
301 E. Court Ave., Des Moines, Iowa

Save On Tractor Parts!

Buy direct from nation's largest combination stock of new and used parts. FREE 1955 catalog.

CENTRAL TRACTOR PARTS CO.
DES MOINES, IOWA, or HASTINGS, NEBR.

WHY PAY MORE!

Small Amount of Milk For Only 3 Days!

Fortified with Antibiotic Feed Supplement (AUREOMYCIN) Sweet Milk Solids, Stabilized Vitamin "A" and other Needful, Nutritious Ingredients.

Guaranteed To Satisfy

MORE FOR YOUR MONEY ANY WAY YOU FIGURE!

Distributed by Milk Plants, Creameries and Cheese Factories

ONLY $3.85 A PAIL

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GALVANIZED STEEL
Corrugated Roofing and Siding

Long Life—Low Cost
Write for FREE ESTIMATES
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MIDWEST WIRE & STEEL PRODUCTS CO.
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CRIB PLANS FREE!

Send for FREE Crib blueprints with materials list. Also FREE Elevator Catalog showing 10 styles.

MEYER FARM ELEVATORS
CUP AND PORTABLE

Simplest, strongest—no short turns. Widest, stardiest PORTABLE—elevates everything. WRITE TODAY! State if interested in BUCKET or PORTABLE.

MEYER MFG. CO. Box 2565 Morton, Ill.

Grand River ANGUS BREEDERS ANNUAL SPRING SALE

12:30 P. M.

Princeton, Mo.

TUES., MARCH 15TH

SELLING 62 LOTS

26 Bulls 36 Females

A SALE OF BARGAINS

REMEMBER!!!

Ray Searcey, Newtown, Mo., purchased the sire of Shorty, 1954 International Grand Champion Steer, in our 1952 Spring Sale, and his dam in our 1952 Fall Sale—both at very reasonable prices.

The 26 bulls selling are mostly ready for service, and the 36 females will include open heifers, bred heifers, bred cows and a few cows with calves at side. They are consigned by the following leading breeders of this area (from Missouri unless otherwise indicated):

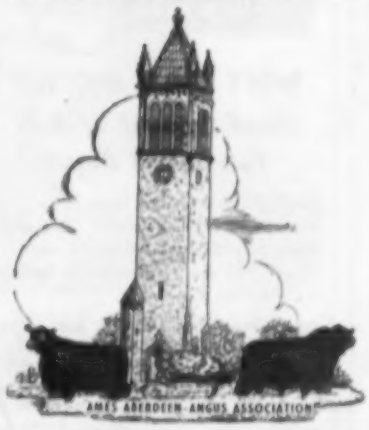
Geo. W. Barkley, Newtown
Brown Bros., Newtown
Wilbur Cole, Bethany
Howard K. Dailey & Sons, Mercer
S. H. Draper & L. W. King, Corydon, Iowa
R. L. Hampshire & Son, Galt
Ben & Vern Ivins, Corydon, Iowa
H. D. Long & Son, Bethany
B. F. Mansur, Princeton
Crell & Marie Ogle, Princeton
Jesse S. Ray, Spickard
Don Stiles & Sons, Princeton
Marion Summers & Son, Princeton
Harold Swan, Newtown
Don Thompson, Bethany
Verne Van Hoozer, Trenton

THE FAMILIES SELLING WILL INCLUDE: MAID OF BUMMERS, ZARAS, HARTLEY EDELLAS, ERICAS, McHENRY BARBARAS, AND SOME OTHER GOOD FAMILIES. Send now for your FREE catalog. Please mention this publication. Address

MARION SUMMERS, Sale Mgr., PRINCETON, MO.

Auctioneers, Hagel & Stewart — Arch Stone, Fieldman

Ames Angus Association Second Annual Show and Sale



Mon., March 21

Sale at the Ames Sale Pavilion on Highway 69 at south edge of

Ames, Iowa

SHOW — 9:00 A. M., MARCH 21st

Judge: George Edwards

Iowa State College, Ames, Iowa

SALE — 12:00 NOON, MARCH 21st

104 HEAD

Included will be 33 bulls, many of them of serviceable age and size, 71 females, about two-thirds of them bred young cows and heifers, and some cows with calves at side. All well-known families and some very popular tribes. 34 herds from a wide area in Central Iowa are represented in the consignment. These well known herds are consigning cattle of nationally known breeding and reputation, and are typical of the kind of cattle that have made Iowa cattle famous the country over. The consignors are:

Amdo-Knutson	Ames, Iowa	Johnson Bros.	Ida Grove, Iowa
Orville Avoo	Melbourne, Iowa	Enoch & Bob Johnson	Arthur, Iowa
Beattie Angus Farms	Stuart, Iowa	Kue Angus Farm	Waukee, Iowa
Harold Bloomberg & Sons	Ames, Iowa	M. H. Kuck & Son	Cole, Iowa
S. A. Brooks & Son	Ames, Iowa	Earl F. Lehr	Winterset, Iowa
Earl Bruce	Altoona, Iowa	Meier Bros.	Melbourne, Iowa
Clement Bros.	Newton, Iowa	Robertson Bros.	Nevada, Iowa
Donald O. Erickson	Madrid, Iowa	Renngift Stock Farm	Kelley, Iowa
Eugene Fertig	Odebolt, Iowa	O. M. Sonter & Son	Maxwell, Iowa
Clarence M. Goodman	Rhodes, Iowa	J. G. Shoemaker & Sons	Sheffield, Iowa
Addis Greiman & Sons	Garner, Iowa	Warren Sperbeitz	Melbourne, Iowa
Glen Groomes & Son	Nevada, Iowa	Ron G. Studer	Wesley, Iowa
R. J. Hadley	New Providence, Iowa	Sunset Knoll Farm	Ames, Iowa
Half's Hill Farm	Albion, Iowa	H. E. Upstill & Son	Ames, Iowa
Harken Farms	Osceola, Iowa	Vandor Wurff Angus	Sully, Iowa
J. H. Heintz & Sons	Cambridge, Iowa	Garnett G. West & Sons	Altoona, Iowa
W. W. Herkelman	Dexter, Iowa	D. C. Williams & Son	Jefferson, Iowa

Most of the bulls ready for service, richly-bred, ideal for Herd Sires. Females are a grand lot and include the most popular families. BLUEBLOOD LADY, BLACKCAP BESSIE ZARA, TILLYFOUR, COLLEGE HEROINE, EVENING ERICA, HARTLEY ELINE, BLACKCAP EMPRESS, BALLINDALLOCH GEORGINA, MISS BURGESS, JUANA ERICA, BEAUTY and others. Young females with all their life before them. COME! Ask now for FREE catalog. Kindly mention this publication. Address

HOWARD E. AMES, Secy., AMES, IOWA
AMES ABERDEEN-ANGUS ASSOCIATION

Auctioneers, Merlin Woodruff and Jim Morris — J. E. Halsey, Fieldman

SALE HEADQUARTERS: Sheldon-Munn Hotel. Free Buffet Supper Sunday, March 20, sponsored by Consignors. Come!

"BEEFLAND"

ABERDEEN-ANGUS SALE

Bowman Sale Pavilion

MAQUOKETA, IOWA, WED., MARCH 9th

Starting 11:00 A. M. Sharp

120 HEAD — 34 Bulls, 86 Females

The 34 bulls a great lot, ready for service, by outstanding sires, big rugged bulls, thick, deep, smooth and will make herd sires for Breeder, Farmer or Ranchman. The 86 females, rich in pedigree, pleasing in type and suitable for foundation purpose. Sired by or bred to

EILEENMERE — BANDOLIER — SUNBEAM and BARDOLIER

bred bulls. The best in blood lines. Plan to attend. Ask now for FREE catalog. Kindly mention this publication. Address

OLIVER A. HANSEN, Sale Mgr., DURANT, IOWA

Sale Sponsored by EASTERN IOWA ANGUS BREEDERS

T. W. Sherlock, Fieldman

LEVELDALE FARMS

Excellent Consignment of Heifers

MAQUOKETA, IOWA, MARCH 9th

6 choice heifers by
BEST BARDOLIER
2 Beautiful daughters of
BANDOLIER OF HAIG 44th

They include ZARA OF LEVELDALE, ZARA 2d OF LEVELDALE, ENQUIRY DELL 30th, LEVELDALE BARBARA ROSE, MISS BARBARA L. 3rd, BLAKEFORD BEULAH L. MAID OF BUMMERS L. 3d, BLACKCAP HEIRESS L. 5th, BLACKCAP HEIRESS L. 4th, KATINKA L. 3rd.

All 1954 heifers, some genuine show prospects. Rich in best blood lines. The type and quality will please. All calfhood vaccinated. See them and you will buy.

OLSON BROTHERS, CALAMUS, IOWA

WALTIN — NOEL — JOEL

You will like our offering in

BEEFLAND SALE

MAQUOKETA, IOWA, MARCH 9th

They are sired by

ERIC M. B. 28th

A top son of **PRINCE QUALITY OF SUNBEAM**, the Mass Herd Bull. One September yearling bull out of an **ENVIOUS BLACKCAP B. 19th** Dam. A genuine herd bull prospect for someone. Two most attractive March yearlings, open heifers. Excellent quality. One **ELBA**, a real show prospect, and a **BLACKBIRD** that will make a wonderful breed cow. The quality and merit will please. Visit our farm any time. See them at sale time.

W. J. WALSHIRE, MECHANICSVILLE, IOWA

Look for Our Consignment at

EASTERN IOWA ANGUS SALE, MAQUOKETA, MARCH 9th

10 HEAD

Four great bulls by **POSTOLIER**, brother to Elban Bardolier 3rd, 1951 International Grand Champion.

Six choice females by **POSTOLIER**, all well along in calf to our great son of **HOMEPLACE EILEENMERE 999-354b**, International Reserve Grand Champion, 1950-1951. Including 2 of the popular **BROOKSIDE ELLUNAS**. These are real foundation material.

HENRY L. SIEMSEN & SON, DIXON, IOWA

ROBINMERE FARM — Selling "BEEFLAND SALE"
MAQUOKETA, IOWA, MARCH 9th

Choice 4 year old **ERICA** cow, with calf at side by **REVOLUTION RHS 3rd** and rebred to him, he was 1st Junior yearling at 1954 Iowa State Show and Sale. Two attractive heifers, a **BLACKCAP** and a **PRIDE OF ABERDEEN**, both by **BARDOLIER K.A.F. 7th** son of Erica Bardolier G. R. by Queens Grenadier G. R. Rich in best blood lines.

G. W. ROBINSON, MECHANICSVILLE, IOWA

NORTHEAST IOWA

ANGUS ASSOCIATION SALE

Comfortable Miller Pavilion, south edge of

CEDAR FALLS, IOWA, TUES., MARCH 29th

16 RUGGED BULLS — 20 CHOICE BRED HEIFERS
12 YOUNG COWS WITH CALVES AT SIDE
16 MOST ATTRACTIVE OPEN HEIFERS

Our best offering, selected with care from the leading herds of this area. Most all bulls ready for service, good rugged, thick-fleshed bulls, rich in breeding. They will please Breeder and Farmer or Commercial Cattlemen. The females include cows with big lusty calves at side by great sires and rebred, excellent heifers mated to Top Quality Herd Sires, and attractive open heifers, ideal age to mate to your Herd Bulls. (Watch next issue for more details.) Ask now for FREE catalog. Kindly mention this publication. Address

BOB ROBINSON, Secy., MASONVILLE, IOWA

DYE'S ANGUS REDUCTION SALE

Bureau County Fair Grounds

PRINCETON, ILLINOIS, SAT., MARCH 12th

61 GRAND FEMALES — 41 EXCELLENT COWS
Many with calves

20 ATTRACTIVE HEIFERS
Many bred—few open

8 TOP BULL PROSPECTS

This is an outstanding offering, rich in best blood lines. A division of this great producing herd. Females of foundation character. Bulls suitable to head the best herds. Plan to attend. Ask now for FREE catalog. Kindly mention this publication. Address

J. B. McCORKLE, Sale Mgr., SMITHVILLE, MISSOURI

MR. & MRS. B. A. DYE, Owners, WYANET, ILLINOIS

LIVESTOCK NEWS

The 54th annual show and sale for the **Iowa Hereford Cattle Breeders** association held at Sioux City, Iowa, Feb. 7 and 8 attracted a nice sized crowd. They had one of the good offering this association has presented, and all the cattle were well fitted for the event.

60 bulls averaged $398
17 females averaged $273
79 head averaged $370

Top of the sale was the champion bull, lot 15, Regent Elate, entered by G. K. Edleman, Webb, Iowa. He sold for the top of $1,800 to Edgar Bruvening, Hartington, Nebr. The reserve champion was the second high, lot 59, LH Baca Star A, entered by Lakewood Farms, Rock Rapids, Iowa. Buyer was Ivan Thornehill, Ida Grove, Iowa, for $900.

In the females, the champion went to Elmo and Glen Bush, Lake Park, Iowa, on lot seven, Belle B. Elect 404th, bred to Zato Heir G2. She sold to Ivan Thornehill for $475. Jos. T. Grabner & Son, Breda, Iowa, showed the reserve champion on lot 32, Miss Alpine 61st. Her buyer was Mason Redlen, Ida Grove, Iowa, for $440.

Of the 77 head, 61 went to Iowa buyers. Nebraska took nine, South Dakota four and Minnesota three.

The sale was managed by Glen E. Bush, Lake Park, Iowa. Auctioneers were Corkle and Schnell.

The Al Bolte, Avoca, Iowa, **Tamworth** sale Feb. 2 attracted a very good crowd. The top was $220 paid by Elmer Stone, Palmer, Nebr. The top 10 head made $191 each with 50 head making $142.50 and went to buyers in four states.

The record sale for **Tamworth** bred sows was made Feb. 9 when Lee Winther, Wisner, Nebraska, drove 50 head of bred sows thru the ring for an average of $332, with the entire offering of 57 head averaging $323. There was one of the largest crowds ever seen at a hog sale.

The top of the sale was lot 53, a fall yearling sow bred to the champion boar, Meadowbrook Mac, selling to Russell Schenck, Waynetown, Ind., for $1,000, a record price paid for a sow of this breed. The second high was $800 paid for lot 39, a spring gilt bred to Meadowbrook Mac. Her buyer was James Tayes, Lewistown, Ill. Lot four, another spring gilt, bred to the young boar Popujac, the Minnesota and Nebraska junior champion of 1954, sold to Jerry Ford, Milo, Iowa, for $435. The same buyer also bought lot 15 for $400.

Nine fall boars averaged $134 with a top of $180 for lot 60 going to J. C. Muckey, Mapleton, Iowa.

Ten below zero weather, high winds, and drifting snow, cut down the attendance at Roy V. Copp & Son's 34th annual **Chester White** sale at Carroll, Iowa, Feb. 10. But most of those on hand were there to buy, and bidding was rapid. The very uniform offering of 63 gilts averaged $98. Two gilts brought $190 each. Lot one, a daughter of The Answer bred to Copp's Goal, brought $190, selling to Clarence Olsen, Thompson, Iowa. Lot four, a daughter of Copp's Goal bred to Active Catalpa, brought the same price, going to Willard H. Fee, Cherokee, Iowa.

Col. J. E. Halsey cried the sale.

A near capacity crowd was on hand at the Ira Reed and T. M. Hayden Hereford production sale at Orient, Iowa, Feb. 9. Averages on the very attractive offering were as follows:

22 bulls averaged $301
23 females averaged $200
45 lots averaged $240

Thomas Hartling, Rockwell City, Iowa, paid $530 to own the top selling bull, R Baca Elation 8th, a son of Baca Elation 9th from the Ira Reed consignment. Ted Hayden brought out the second top seller, Real WHR Mixer, a son of Super Mixer WHR 1st selling to J. A. Johnson, Greenfield, Iowa, at $510.

Guy Steeve, Hepburn, Iowa, paid $395 for the top selling female, Flash Maid WHR 193d, a May '45 daughter of WHR Onward Flash 1st consigned by Ted Hayden. Miss R Regality, a March '53 daughter of TRS Regality from the Reed herd brought $310, the bid of Dale Walter & Son, Prescott, Iowa.

Col. Howard Schnell cried the sale.

The **Hereford** dispersion sale for James D. France, Tipton, Iowa held at Cedar Rapids February 17 attracted a large sized crowd of buyers from Iowa, Wisconsin and Illinois. It was one of the nicest days of the winter season. The cattle were sold with no fitting, and in general brought satisfactory prices.

14 bulls averaged $313
74 females averaged $315
88 lots averaged $315

The high selling bull was lot one, CA Larry Domino 20th. He sold for $675 to Valley View Farm, Gladstone, Ill. The second top bull was lot six, A. Royal Domino 31st. His buyer was Ed Griner, Keota, Iowa, for $375. An extra lot bull sold to Crow Hereford Farms, Rockton, Illinois, for $600.

In the females, the top was lot 19, CA Lady Mixer 3d, and heifer calf. The cow sold to L. W. Blakely, Canton, Ill. for $400. The calf brought $235 paid by Pat Bedard, LaPorte City, Iowa, making a total of $635. Lot 25 was second high at $575. The cow, Mary Belle D, sold to Walter Greip, DeWitt, Iowa, for $325. The calf went to McNee Brothers, Watkins, Iowa, for $250. Lot 32, Alamos Bell 6th, sold for $390 to Circle A Hereford Farm, Morris, Ill. and the calf brought $180 paid by D. L. Stevens, Long Grove, Iowa.

The sale was managed by the Fulkerson Sales Service Company, Liberty, Mo. Auctioneers were Jewett Fulkerson and Tom Sherlock.

The 80th auction of **Marshall County Shorthorn** Breeders, Marshalltown, Iowa, Feb. 21 was successful under the able directions of George H. Lewis. The results follow:

27 bulls averaged $255
24 females averaged $205
51 lots averaged $224

The awards were made in an able manner by Otis Rothlisberger. The grand champion bull was shown by Evergreen Farm on Supreme Sportsman and sold for $400 to George Dudden, Dike, Iowa. Reserve champion, Gold Research 10th from Fennern Bros., went at $375 to Vern Toll, Allison, Iowa. Rosewood Prince 2d, consigned by Leslie E. Whitford sold for $300 and went to Alva Lynch & Sons, Gladbrook, Iowa. Silver Vale Compass from herd of L. & A. T. Robinson also went for $300 to Richtsmeier & Graff, Iowa Falls, Iowa.

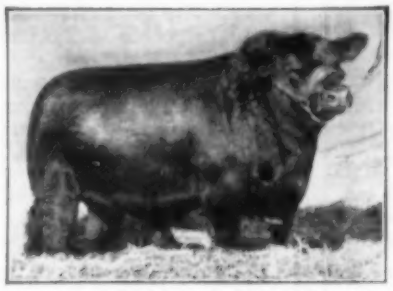
The grand champion female was Lavender Lady consigned by Geo. H. Lewis and sold for $250 to D. C. Raeder, Melbourne, Iowa. Susan, reserve champion, was from the Gilbert Piffer farm and went at $205 to Merle Mersman, Colo, Iowa. The top female was Augusta 143rd a four-year-old cow and heifer calf from the Geo. Lewis herd and bought by D. C. Raeder at $280. Clarence Beeghly, Cedar Falls, Iowa, paid $255 for Augusta 142d and heifer calf.

All cattle except one went to Iowa buyers. Auctioneer was Clair Mason.

WILTON FARMS
ANGUS SALE

At Mississippi Valley Fair Grounds, west edge of

Davenport, Iowa
Saturday, March 26th
★ 63 HEAD ★
20 Bulls 43 Females



BANDOLIER 123rd OF WILTON, a sire with a record unequalled. 20 sons and daughters sell.

BANDOLIER 523rd OF WILTON, 1953, 1954 Iowa Grand Champion, 1955 Grand Champion National at Denver. Member of 1st prize Get-of-Sire 1953-1954-1955. Many females sell bred to him.

BANDOLIER 260th OF WILTON, a son of "123rd" stood next to Grand Champion "523" at Denver in 1955. His dam a great producing cow. His full sister stood 3rd at 1954 International. He sells, a great sire for someone.

BANDOLIER 301st OF WILTON, by the famous sire the "44th", whose Get-of-Sire was undefeated in 1947, including International and American Royal. The last son of the famous "44th" to sell.

Genuine Herd Bull Prospects

5 by BANDOLIER 123rd OF WILTON
3 by BANDOLIER 145th OF WILTON
4 by BANDOLIER 152nd OF WILTON
1 by BANDOLIER 44th OF WILTON
4 by BANDOLIER WHITE GATES 3rd

Many outstanding show winners and sires of show winners at major shows from these blood lines. Breeding proved and tested. You will profit by selecting a herd bull here. They will please.

BANDOLIER 123rd OF WILTON (illustrated here) sired the winning GET-OF-SIRE at 1953-1954-1955 National Livestock Show, Denver, a record unequalled.

Grand females, rich in breeding, best of quality.

4 by BANDOLIER 44th OF WILTON
(last to be sold by this great sire)
15 by BANDOLIER 123rd OF WILTON
2 by BANDOLIER 145th OF WILTON
4 by BANDOLIER WHITE GATES 3rd

Mostly bred to BANDOLIER 523rd OF WILTON and BANDOLIER 500th OF WILTON.

Featuring noted families that have produced some of our best show and breeding cattle. 4 BLACKCAP BESSIES, 1 ANNUITY, 2 FANNIE BESS, 1 MAID OF BUMMER MISS BURGESS, 2 JUANA ERICAS (from the strain we imported in 1947), 1 KATINKA, 2 BEAUTY OF HAYSTONS, 2 BLACK JESTRESS and other popular tribes. WILTON FARMS are proud of their Herd Bulls, and the enviable records they have made.

These outstanding females by great sires and mated to wonderful Herd Bulls, will make a good investment for any breeder. A sale you will want to attend. Plan to COME! Ask now for FREE beautiful illustrated catalog. Please mention this publication. Address

Wilton Farms, Box 838, Davenport, Ia.

OTTO G NOBIS **DICK NOBIS** **G. J. NORTON**

Auctioneers, Roy G. Johnston and Paul Good **T. W. Sherlock, Fieldman**

GOOSE CREEK FARMS

9th PRODUCTION SALE

Columbus Junction, Iowa - Friday, March 25th

9 BULLS — **55 FEMALES**

"The Quality Sale Without Frills"

Top Families

3 ERIANNAS through the Maple River herd and a 3/4 sister of the original El-Jon cow.

3 ZARAS including a full sister of the $5000. Glorious Zara of Goose Creek.

8 JILTS - 7 MISS BURGESS - TOLAN PAULINES GAMMER - BLUE BLOOD LADY - KATINKA GEORGINA - JUANA - EDELLA - and others.

Top Pedigrees

Sired by sons and grandsons of Eileenmere 500th & 487th, Bandolier of Anoka 10th & 7th. Our pedigrees will compare favorably with most of the nation's leading herds.

Top Quality

Quality fully equal to the standard of our recent sales. Several very promising show animals. But once again we offer them to you without fitting or elaborate propaganda.

OPEN HEIFERS - BRED HEIFERS - COWS with CALVES

Your Opportunity to Buy Quality Cattle for Less

For illustrated catalog please write to:

FORREST M. LARMER — MUSCATINE, IOWA

PLEASANT VALLEY FARMS

ANGUS DISPERSION

Bowman's Comfortable Sale Pavilion

MAQUOKETA, IOWA,

Starting Promptly at 11:30 A. M.

THURSDAY, MARCH 31st

11 BULLS — 93 FEMALES

Many Cows with Calves at Side

A herd established for several years, with outstanding, richly-bred females selected from such great herds as ROSEMERE, McGREGOR, KEMP and others, and mated to the great Herd Sires. The entire herd sells without reserve and we feature the progeny and service of:

PRINCE 17th OF ESSAR

A Top Son of Master Prince 2d

This is a grand herd of well-bred females, many cows sell with big, lusty calves at side and rebred. There are bred cows and heifers and attractive open heifers, ideal age to mate to your herd bulls. The families include ROSEMERE ESTELLA, ELLUNA, GEORGINA, KATINKA, COLLEGE HEROINE, EULIMA, WITCH OF ENDOR, HARTLEY EDELLA, HARTLEY ENECHO, MISS BURGESS, JUANA ERICA, ELBA, QUEEN MOTHER, QUEEN VIOLA K., BLACKCAP, BLACKBIRDS and others. Nothing finer. The 11 bulls include herd sire prospects. Only a Dispersion offers such bargains. Plan to attend. Ask now for FREE catalog. Kindly mention this publication. Address

OLIVER A. HANSEN, Sale Mgr., DURANT, IOWA

CORNELIUS THINES, Owner, PRESTON, IOWA

Auctioneers, Roy Johnston and Ray Sims — T. W. Sherlock, Fieldman

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12TH ANNUAL

Bureau County

ANGUS

SHOW — 10:00 A. M.
Judge: A. H. "Tex" Spitzer
SALE — 12:30 P. M.

Comfortable sale pavilion, west edge of town on U. S. No. 6 and No. 34 at

Princeton, Illinios

Wed., March 16th

11 TOP BULLS — 45 WELL-BRED FEMALES

A choice consignment from the leading breeders of this area. The bulls are ready for service and include real herd bull prospects. Rich in EILEENMERE-BANDOLIER and SUNBEAM breeding. The females mostly bred heifers, mated to outstanding herd sires and a few attractive open heifers. The consignors are:

A. R. Althaus & Son	LaMoille, Ill.	Conrad Johnson & Sons	Princeton, Ill.
Geo. Althaus & Sons	Sublette, Ill.	Ray Kersten	Ashton, Ill.
Harry Duffield & Sons	Ohio, Ill.	Wm. Martin & Son	Wyanet, Ill.
B. A. Dye Farms	Wyanet, Ill.	Olson Bros.	Wyanet, Ill.
Glen Dysart	Franklin Grove, Ill.	Donald Phillips	Galva, Ill.
Ehlers Bros.	LaMoille, Ill.	Herbert Schroeder & Son	Grand Ridge, Ill.
Eiten Bros.	Zearing, Iowa	Don Smith	Harmon, Ill.
Kenneth Fiedler	Granville, Ill.	John Tondi & Son	Spring Valley, Ill.
Ed. Herwig & Son	Ashton, Ill.	Wm. J. Young & Son	Spring Valley, Ill.

An excellent lot of real herd bull prospects. 45 grand heifers, displaying genuine quality, rich in best blood lines. Sired by outstanding Herd Sires and mated to wonderful Herd Bulls. They will please. Nothing finer. Plan to attend. Ask for FREE catalog. Kindly mention this publication.

LYLE EITEN, Secy.-Mgr., LADD, ILLINOIS

BUREAU COUNTY ABERDEEN-ANGUS BREEDERS

Auctioneer, Hamilton James — J. S. Halsey, Fieldman

Marion County

Aberdeen-Angus Association

SPRING PRODUCTION SALE

MARION COUNTY ANGUS ASSOCIATION

KNOXVILLE, IOWA

MONDAY, MARCH 28th

Hillcrest Sale Barn, 12:30 P. M.

80 LOTS

22 Bulls — 58 Females

The bulls are herd-sire prospects including one proven herd bull. The registered breeder as well as the commercial cattle man can solve his herd bull problem here.

The females include 28 open heifers which are especially high quality, 21 choice heifers bred to top bulls, and 9 carefully selected brood cows, some with calf at foot and rebred. These females are good enough to go in any herd whether for foundation material or herd improvement. These cattle are from some of the best herds in the county. Cattle that the consignors are proud to offer. They consist of such families as: Erianna, Maid of Bummers, Edwina, Ballindalloch Georgina, Ballindalloch Jilt, Evening Erica, Rothiemay Georgina, Barbara Woodson, Juana, Blackcap Empress, McHenry Barbara, Berosa and Maid of Banks Miss Burgess, Blackcap, Blackbird, the Erica tribes and others.

CONSIGNORS

Banks & Banks	Knoxville	Carroll Phillips	Pleasantville
Harold Beaver & Sons	Harvey	John Rodgers & Son	Pleasantville
Duane Bingaman	Columbia	Walter Shilling & Son	Bussey
Ray H. Cline & Son	Bussey	Walter Snyder	Snyder
Jacob J. DeHaan	Pella	Z. R. Spaur	Tracy
O. O. & John Emerson	Knoxville	David Stittsworth	Knoxville
Dwight Freel	Pleasantville	Gerald Terpstra	Pella
Guy Galvin	Pleasantville	Garrett Van Haalen	Pella
C. S. Harvey	Knoxville	E. L. Vander Linden	Harvey
Edd Marr	Knoxville	Whitlatch Bros.	Knoxville
Overton & Hodgson	Pleasantville		

Send now for your FREE catalog. Please mention this publication. Address

DUANE BINGAMAN, Sale Mgr., COLUMBIA, IOWA

MARION COUNTY ABERDEEN-ANGUS BREEDERS ASSN.

Auctioneer, Ray Sims — Arch Stone, Fieldman

Sullivan County Angus Annual Spring Sale

Mon., March 14th, Milan, Mo.

68 LOTS

32 Bulls 36 Females

Sale Time: 12:00 Noon

Lunch Available at the Barn

Herd Bull Prospects, Range Bulls, Farmer Bulls . . . Open Heifers, Bred Heifers, Cows with Calves at Side

Females of following families: Witch of Endor, Edwina, Georgina, Hartley Edella, Mo. Barbara, Juana Erica, Miss Burgess, Jilt, Barbara Woodson, McHenry Barbara, Blackcap Missie, Tolan Blackcap, Empress, McHenry Blackcap, Prides Tillie and Queen Mother.

CONSIGNORS (all from Missouri)

James Brown, Jr. ..... Newtown
Mike Cochran ..... Green City
A. W. Herrington ..... Milan
J. T. Hoselton & Sons .... Browning
Albert Ledford ..... Reger
P. A. Lewis ..... Milan
Chester Mason ..... Harris
E. G. & C. D. Milligan ..... Osgood
Russell Page & Sons ..... Milan
Dean Reger ..... Newtown
J. B. Rhodes ..... Browning
Edgar R. Schaelle ..... Pollock
Harry & Eva Springer ..... Milan
Don Stiles & Sons ..... Princeton
James A. Wilson ..... Harris

Come and get acquainted with Sullivan County Breeders and their consignments. We guarantee to sell far better cattle for the money than you would expect.

PLAN TO ATTEND THIS SALE CIRCUIT:

Charlton Valley, Kirksville, Mo. ..... March 9
Northeast Missouri, Memphis, Mo. ..... March 10
Sullivan County, Milan, Mo. ..... March 14
Grand River, Princeton, Mo. ..... March 15

Send today for your FREE catalog. Please mention this publication. Address

JAMES BROWN, JR., Secy., NEWTOWN, MISSOURI

T. W. Sherlock, Fieldman

"THE HOME OF POPULAR FAMILIES"

Welcome You to Our ANGUS SALE

Located south of Galesburg, Ill., at farm, 2 miles south of

AVON, ILLINOIS, MONDAY, MARCH 28

70 GENUINE FOUNDATION FEMALES
3 OUTSTANDING HERD IMPROVING BULLS

CHERRY BLOSSOM 3rd OF BRADLEY, our famous CHERRY BLOSSOM show heifer, and a member of the most sought after family of the breed. A top individual and will help work breed improvement in the best herds. She will please the most critical cattlemen.

BARDOLIER 248th 1868585, a great bull out of our successful show herd. Sired by our wonderful show bull, BARDOLIER 81st, and Dam one of our top GAMMER cows. An outstanding herd bull prospect. He will solve your herd bull problem.

"IT COST LESS — TO OWN THE BEST

A wonderful offering of outstanding females and 3 of the best bulls to be offered this year. Selected from a large herd, rich in most popular families, sired by great herd sires, pleasing in type, merit and quality. The bulls are genuine herd bull prospects. Females suitable for foundation improvement.

"THE FABULOUS FAMILY SALE"

CHERRY BLOSSOM — CHIMERAS — BEAUTY OF HAYSTON — GAMMERS — BALLINDALLOCH GEORGINAS — BLACKCAP BESSIES — ANOKA BARBARA M. S. — BLUEBLOOD LADY — BLACK JESTRESS — BLACK BEAUTY — ZARA — JILT — COQUETTES — RUTH OF TILLYFOUR — WITCH OF ENDOR — KATINKAS — JUANA — MAID OF BUMMERS — MISS BURGESS — McHENRY BARBARA — BLINKY MISS BURGESS — BLACKCAP EMPRESS — EULIMAS — HEATHERBLOOM — ELINE ELBA. Nothing finer.

This is perhaps the most royally-bred offering of the year. Plan to attend. Ask now for the FREE beautiful illustrated catalog. Kindly mention this publication. Address

F. M. BRADLEY & SONS, AVON, ILLINOIS

J. B. McCORKLE, Sale Consultant, SMITHVILLE, MISSOURI

Auctioneer, Roy Johnston T. W. Sherlock, Fieldman

SALE HEADQUARTERS: Hotel Custer, Galesburg, Illinois. Ample transportation to farm.

SALE CIRCUIT: Saturday, March 26—Wilton Farm, Otto G. Nobis & Son, Davenport, Iowa.

Mercer County 26th Annual Sale

ANGUS

Fair grounds, adjoining town, only 25 miles south of Davenport, Iowa, at

ALEDO, ILLINOIS

Sat., March 19th

—22 BULLS 105 FEMALES—

BEST OFFERING WE EVER PRESENTED

The 22 bulls, selected for this event, well-grown, rugged bulls, ready for service, by Great Sires, pleasing in type and conformation. Genuine Herd Bull prospects. Rich in blood of

EILEENMERE — BARDOLIER — SUNBEAM and BANDOLIER

breeding, which has produced top Angus cattle. They will please the critical Breeder, Farmer or Commercial cattleman. Real Herd Bull Prospects.

The 105 females a grand offering, which include many wonderful cows with big, lusty calves at side by Top Herd Sires and rebred. A beautiful lot of excellent heifers, mated to some of the outstanding herd bulls of the breed; they will make excellent foundation cattle. About 15 most attractive open heifers, ideal age to mate to your own great sires. Those desiring herd improvement can find it in this excellent offering. Cattle of a proven, established type and descendants of the best sires and most popular blood lines. Make admirable and profitable selections from the most fashionable families.

The Families:

BALLINDALLOCH COQUETTE
BALLINDALLOCH GEORGINA
BALLINDALLOCH JILT
BEAUTY OF HAYSTON
McHENRY BLACKCAP BESSIE
McHENRY BLACKCAP EMPRESS
McHENRY BLACKCAP LADY
MAID OF BUMMER MISS BURGESS
BANDY MAID MISS BURGESS
WOODCOTE MISS BURGESS
RUTH OF TILLYFOUR
McHENRY BARBARA
BLACKCAP EFFIE
BLACK BEAUTY ZARA
GLENCARNOCK ELBAS
CRIDLAN EVERGREEN
FINLARIG ELBA
JUANNERRA ERICA
HARTLEY ELINE
HARTLEY EDELLA
ROSEMERE EILEEN
HEATHER BLOOM
PORTLETHEN LUCY
WITCH OF ENDOR
BLUEBLOOD LADY
TOLAN PAULINE
QUEEN MOTHER
ZARA
The best in blood lines

+ + +

+ + +

Check the records of cattle purchased in **Mercer County Angus** Sales. They have made outstanding records in some of the most noted herds, and will do the same for you.

Plan to attend. Ask now for **FREE** catalog, beautifully illustrated. Kindly mention this publication. Address

HUGH McWHORTER, Secy., ALEDO, ILLINOIS

Auctioneers, Roy Johnston and Ray Sims T. W. Sherlock, Fieldman

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IOWA

Polled Shorthorn Breeders

SHOW — 9:00 A. M. and SALE — 1:00 P. M.

Judge: George Edwards
Sale Pavilion on Highway No. 69

AMES, IOWA, TUESDAY, MARCH 29th

24 BULLS — 21 FEMALES

A splendid offering selected from leading herds, that produced many of last year's Champions. Outstanding bulls, reds and roans, most all ready for service, by great sires, excellent type and ideal quality. Herd Bull Prospects. The females, 10 cows and heifers mated to calve early, 11 top quality open heifers. Rich in breeding, pleasing in type and merit. You will want to attend. Ask now for FREE catalog. Kindly mention this publication. Address

WAYNE A. CARR, Sale Mgr., CINCINNATI, IOWA

Auctioneer, J. E. Halsey

—When writing to our advertisers, please mention this paper—

J. M. McGREER AND SON

Annual Hereford Production Sale

Sale at 1:00 P. M., at the Bradley Sale Barn

Red Oak, Iowa, Tuesday, March 15th

SELLING 45 LOTS

OF REGISTERED HEREFORDS

25 Bulls

20 Females

SILVER DOMINO

and

BACA DUKE BREEDING

Top Blood Lines

FEATURING THE GET AND SERVICE OF TWO GREAT HERD SIRES:

SILVER PRINCE

A grandson of Real Silver Domino 32d, the Pearson herd sire.

ECF BACA ROYAL

A son of Edg-Clif Baca Domino, a son of Baca R. Domino 33d.

BE SURE TO ATTEND THIS SALE

19 coming two-year-old bulls, ready for service.
6 coming yearling bulls.
5 bred cows.
4 bred heifers, coming three-year-old, sired by the Silver bull, and bred to the Baca Duke bull.
5 open heifers, two years old, three by the Silver bull, and 2 by the Baca Duke bull.
6 coming yearling heifers, three by the Silver bull, and 3 by the Baca Duke bull.

All cattle officially calfhood vaccinated. **T.B. and Bangs** tested. Can go to any state. This is your opportunity to purchase your Registered breeding stock of either Silver or Baca Duke breeding. Our entire herd is of light color, with soft mellow fleshing qualities. You seldom have the opportunity to purchase these popular blood lines, as they are bred in here. This is the blood and the cross that made the Harry Pearson Distinctive Herefords—the herd that when dispersed, totaled more than half a million dollars. Be sure to send for your **FREE** catalog. Please mention this publication. Address

WILLIAM A. McGREER, RED OAK, IOWA

Auctioneer, Chandler & Bradley — T. W. Sherlock, Fieldman

WESTERN ILLINOIS

Hereford Breeders Association

Hereford and Polled Herefords

Jennings Sale Barn, located east of Keokuk, Iowa, on Routes 137 & 67 at

MACOMB, ILLINIOS

MARCH 11-12

SHOW — 1:00 P. M., March 11th. Judge: Emerson Marting

Sale Starting Promptly at 10:00 A. M., March 12th

148 HEAD — SELLING AS 143 LOTS

82 Bulls — 61 Females — 5 Calves

This most desirable offering, selected with care from the leading herds of this area, where high-class HEREFORDS are produced. The consignors have used great sires, which represents WHR, CMR, MILKY WAY, KUHLMANS, CIRCLE A, and other nationally known herds. The bulls, most all of breeding age. The large number affords a wide selection. You can find a herd bull here. The females are a very fine group, cows with calves, bred cows and heifers, mated to top Herd Sires, and attractive open heifers. This annual event has become one of the great sales of the MID-WEST. BREEDERS, FARMERS and COMMERCIAL men will find cattle that will please. You set the price. Ask now for FREE catalog. Kindly mention this publication. Address

ROBERT ALLEN, Secy., WARSAW, ILLINOIS

Auctioneers, Emerson Marting and Tom Sherlock — J. E. Halsey, Fieldman

BANQUET: March 11th, 7:00 P. M., LeMoine Hotel. For Banquet reservations, write Geo. Allison, Macomb, Illinois

Iowa Hereford Cattle Breeders Association

INCORPORATED

GLEN E. BUSH, Secy. and Treas.
LAKE PARK, IOWA

SPRING SALE

Stock Yards Sale Pavilion

Sioux City, Ia., Monday, March 21

SELLING 60 HEAD

40 Bulls — 20 Females

The bulls range in age from calves to proven sires. Many of these bulls are ready for heavy service—bulls to fill the bill for top ranchers, farmers and commercial men. Included in the female offering will be open heifers, bred heifers, bred cows, and cows with calves at side and rebred. This offering will not be highly fitted, but will be in the right shape to go on and do well for the buyer. They are consigned by the following breeders:

CONSIGNOR	ADDRESS	Bulls	Females
Black Hawk Hereford Farm	Cedar Falls, Iowa	5	0
Brend Bros.	Adana, Iowa	5	5
Mrs. Wm. Doordalink	Orange City, Iowa	1	0
Shady Lane Hereford Farm	Spencer, Iowa	3	0
Ralph W. Halstrom	Cherokee, Iowa	0	8
Chas. Kos	LeMars, Iowa	2	0
Elmer Meyer	Sac City, Iowa	3	0
Reggie Monson	Willmar, Minn.	3	1
George G. Peterson	Hepburn, Iowa	1	2
Melvin Rieman	Yetter, Iowa	2	0
Louis Robbert	Yetter, Iowa	3	0
Silver Crest Hereford Farm	Newell, Iowa	0	2
Ivan Thornhill	Ida Grove, Iowa	2	0
Willier Hereford Farm	Akron, Iowa	2	0

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GLEN E. BUSH, Secy., LAKE PARK, IOWA

Auctioneer, Charlie Corkle — Arch Stone, Fieldman

MARION COUNTY HEREFORD SALE

SHOW—9:00 A.M. SALE—12:30 P.M.
At Bingley Sale Pavilion

Knoxville, Iowa

Sat., March 19, 1955

55 HEAD

33 Bulls — 22 Females

MOST OF THE BULLS ARE READY FOR SERVICE. Bulls for the purebred breeder and commercial man. A feature attraction will be the sale of 11 outstanding 4-H Club heifers. Be sure to be with us and look them over.

An offering consigned by the following breeders. Note the top blood lines represented in their herd sires:

CONSIGNOR	ADDRESS	SIRES REPRESENTED	REG. NO.
Ralph Dyer	Pleasantville, Iowa	Baca Duke 1	4293668
		Pearson's Duke 25	5443960
Martha Jane Anderson	Knoxville, Iowa	B. Ruling Star 1	6469169
		Bells Resolute A.	6737736
Leo Hoyt & Son	Dallas, Iowa	American Domino 66	4123541
S. M. Heaberlin & Sons	Pleasantville, Iowa	Pearson R. Duke 17	6789064
		H&S Helmsman 1	5691528
Guy Proffitt	Pleasantville, Iowa	H&S Helmsman 1	5691528
John A. DeJong	Tracy, Iowa	Baca Duke 36	5972701
		Pearson's Duke 54	6056212
H. R. Gilliland	Albia, Iowa	Baca Duke 2	6852198
Alfred Christensen & Sons	Tracy, Iowa	Pearson's Duke 54	6056212
Howard Amos	Indianola, Iowa	ECC Silver Duke 1	5622482
Bernard Zerley	Knoxville, Iowa	American Mixer 22	6638481
Dale J. Core	Pleasantville, Iowa	Baca Duke 36	5972701
Leonard W. Smith	New Sharon, Iowa	American Domino 66	4123541
John McClure	Charlton, Iowa	GLF Baca Duke 6th	6164750
Henry Dykstra	Pella, Iowa	WHR Heritage Domino	4138309
Delmar Emmack & Son	Monroe, Iowa	Battle Mischief 79	6806440
H. J. Woody	Reasnor, Iowa	CK Coupon 20th	6249945
		WHR Helmsman	6385054
Cecil H. Arthur	Grinnell, Iowa	Royal Rupert 70th	5320311
C. C. Long	Corydon, Iowa	Swaims Wilton Dom	6801704
Mike Bakalar	Knoxville, Iowa	Royal Compress D.	6073372
Shirley Phillips Bohe	Pleasantville, Iowa	B. Ruling Star 1	6469169

Send now for your FREE catalog. Please mention this publication. Address

STANLEY HEABERLIN, Secy., PLEASANTVILLE, IOWA

Arch Stone, Fieldman

Plan to Attend the Second

+ADEL+ Hereford Sale

Horned & Polled Herefords

Sale at 12:00 Noon, in comfortable sale pavilion, 20 miles west of Des Moines at

Adel, Iowa, Sat., March 12th

— 83 HEAD —

50 Bulls **33 Females**

35 BULLS READY FOR SERVICE

A very large offering of serviceable age bulls, Horned and Polled, and 15 very top young herd sire prospects. The females are mostly bred cows and heifers, and there are some real foundation females in this group. All cattle T.B. and Bangs tested.

This offering is consigned by the following 34 leading breeders of this area. From Iowa unless otherwise indicated.

Albert J. Anderson	Story City	Leo Reiling	Coon Rapids
Earl E. Clements	Earlham	Paul E. Rice	Creston
Ernest Day & Sons	Grimes	Floyd Riebhoff	Osceola
Albert DeWitt & Son	Peru	Cloyd S. Sundell & Sons	Boxholm
Albert Eads	Truro	Schardein & Hunter	Earlham
T. E. Finnegan	Scranton	H. J. Sheriff	Orient
Gail E. Higgins	Earlham	Severson & Swanson	Polk City
Harold Gilman	Stuart	W. Wayne Sheriff & Son	Orient
Harold Handsaker & Sons	Fernald	Troutman Bros. & Jim Hartley	Winterset
Knop Hereford Farm	Atlantic	Harold W. Wicks	Minburn
Orin Johnson	Harcourt	Elmer Vaudt	Lohrville
Marvin D. Kale	Truro	Paul Wulff	Winterset
Elmer McKee	Earlham	Fred T. Wright	Grimes
Robert Linn	Stuart	R. O. Black & Sons	Farnhamville
Marshall E. Mack	Grand Junction	H. K. Bliss	Lacona
John & Lillian Ory	Earlham	Meredith Farms	Des Moines
Velvin Rieman	Yetter	Thomas Crawford	Mercer, Mo.
H. L. Ross & Son	Earlham	Raycel S. Hagan	Mercer, Mo.

Send now for your FREE catalog. Please mention this publication.

ALBERT DeWITT, Sale Mgr., PERU, IOWA

Auctioneer, Keith Goode — Arch Stone, Fieldman

NORTHWEST MISSOURI Hereford Sale

At 71 Sale Barn

MARYVILLE MISSOURI

SHOW — 9:30 A. M.
SALE — 12:30 P. M.

— MONDAY, MARCH 21, 1955 —

48 BULLS — 65 HEAD — 17 FEMALES

Included will be a number of outstanding young herd bull prospects, as well as a few proven sires, and a number of big rugged bulls ready for heavy service to suit the commercial man. Females are mostly heifer calves, and yearling heifers. Consignors and their consignments are as follows:

H. R. Browness & Son, Fairfax, Mo.	4	Long yearling bulls
Ross Combs, Worth, Mo.	1	Summer bull
June & Preston Dowis, Sheridan, Mo.	4	Summer yearling bulls
Wayne Drydale, Bolckow, Mo.	1	Summer yearling Polled bull
Empire Hereford Farm, Union Star, Mo.	6	Summer yearling bulls
Wandasue Esep, Union Star, Mo.	2	Two-year-old bulls
Harley Garrard, Ravenwood, Mo.	1	Two-year-old Polled bull
Raycel Hagan, Mercer, Mo.	2	Two-year-old bulls
W. R. Hukill, Savannah, Mo.	1	Tried WHR bred bull
Wayne Loch, Burlington Jct., Mo.	1	Long yearling bull
Luckhardt Farms, Turkio, Mo.	1	Yearling bull and 5 heifer calves
Wayne Martin, Fairfax, Mo.	1	Very good young bull, a tried bull of Luckhardt breeding, and 2 open heifers
W. S. Miller & Son, Bolckow, Mo.	5	Summer yearling bulls
Doyle Moore & Son, Pickering, Mo.	6	Yearling bulls and 2 yearling heifers
Harold E. Murdock, Parnell, Mo.	2	Cows
Ray Ruck & Son, Gentry, Mo.	1	Bred heifer and 1 yearling bull
Singles Hereford Farm, Ravenwood, Mo.	3	Two-year-old bulls
Stevenson Farms, Graham, Mo.	2	Two-year-old bulls
Loren Trullinger, Mt. Ayr, Iowa	1	Yearling bull
Roy Weatherly, Bedford, Iowa	2	Summer yearling bulls

Send now for your FREE catalog. Please mention this publication. Address

DOYLE MOORE, Sale Mgr., PICKERING, MISSOURI
NORTHWEST MISSOURI HEREFORD BREEDERS ASSN.

Auctioneer, Freddie Chandler — T. W. Sherlock, Fieldman

When writing to our advertisers, please mention that you read their advertisements in Wallaces' Farmer and Iowa Homestead

14TH ANNUAL

Illinois State HEREFORD Show & Sale

In comfortable heated sale pavilion, fair grounds

SHOW — 9:00 A. M. Judge: Charley Read SALE — 12:30 P. M.

Princeton, Illinios

FRIDAY, MARCH 25TH

69 HEAD

26 BULLS — 43 FEMALES

A good offering of bulls from which you can select bulls to head the best of registered herds . . . bulls for farmers . . . and the commercial producer. Most of them ready for heavy service, from blood lines that are recognized as some of the best of the breed. They are the kind that will work herd improvement for those who buy them. If you are looking for a good herd bull don't pass up this opportunity.

43 FEMALES

A grand group of females including both bred and open heifers. Among them are some choice heifers, the type and breeding you will be pleased to select for herd improvement. Backed by some of the most noted herd sires in the breed. They are consigned by 24 leading breeders:

L. A. Abbott & Sons, Morrison	5	Robert Milligan, Kings	4
Andras Brothers, Manchester	6	Nolan Nelson, Morris	1
Bennett Farms, Argenta	3	J. Eldon Porter, Toulon	1
Dr. Bruce Brown, Locust Farm, Lemont	4	Ralph Reeves & Son, Weldon	1
Buford Farm, Elizabeth	3	Rincker Hereford Farm, Strasburg	3
Cornerbrook Farm, Harristown	6	Wellgreen Stock Farm, Spartland	5
Davues Stables, Geneseo	1	Tomlin & Wolland, Mason City	1
Fred W. Holm & Donald Peters, Peru	2	Harold Tomlin, Mason City	1
Dr. Benton Holm, Moline	1	Whitestone Stock Farm, Grant Park	9
Knob Hill Farms, Pana	2	G. E. Wilcox, Blue Mound	2
Warren Lockhart, Wellington	8	Zurcker & Johnstone, Sherrard	4
Meredith Herefords, Maple Park	3		

Plan to attend the show and be at the sale. Ask now for the FREE catalog. Address

E. GLEN ASH, Secy., HARRISTOWN, ILLINOIS

Auctioneer, Emerson Marting — T. W. Sherlock, Fieldman

Plan to attend the banquet at Hotel Clark on the evening of the 24th at 6:30 P. M. All interested are invited.

LAST CALL!!!

10TH ANNUAL SOUTHEAST IOWA

HEREFORD BREEDERS SALE

Horned Herefords ★ ★ Polled Herefords

At McMillan Park

Mt. Pleasant, Iowa, Wed., March 9

SHOW — 9:00 A. M. SALE — 12:00 Noon

SELLING 95 HEAD

Included will be 65 rugged bulls, nearly all ready for immediate service. Nine Polled bulls. These bulls all display type, merit, and quality. Real herd bull prospects. Bulls for the breeder, ranchman, or farmer.

Females include cows with calves and remated, and excellent bred cows and heifers—bred to outstanding sires. Also a number of open heifers and heifer calves—all rich in the top breeding of the territory. They are of foundation character.

Send now for your FREE catalog. Please mention this publication. Address

N. K. HARTLEY, Secy., HILLSBORO, IOWA

Auctioneer, Emerson Marting — J. E. Halsey, Fieldman

★Do your buying from firms advertising in WALLACES' FARMER and IOWA HOMESTEAD. If you do not find in WALLACES' FARMER and IOWA HOMESTEAD the articles you want to buy now, just let us know what you want and we will be glad to give you names of reliable firms from whom you can make the purchase.

Matheson's HAMPSHIRE

BRED GILT AND FALL BOAR SALE

Located 50 miles southeast of Davenport and 65 miles north of Peoria, Ill. At farm, 3 miles east and 1 mile south of

NEPONSET, ILLINOIS

TUESDAY, MARCH 22nd

Selling 25 Registered Gilts by

WESTERN PRIZE

Son of Western Nugget, 1953 Missouri Grand Champion Boar

Bred for March and April farrow to **SILVER MODEL**, a giant two-year-old son of **ACHIEVEMENT**, 1951 Reserve **ALL-AMERICAN** Senior Yearling Boar, and 2d, Senior Yearling at Iowa State Fair, and **TOP ACE**, linebred grandson of **MODERN MODEL** . . . he the grandsire of **MARGARET ALICE**, 1954 Illinois Grand Champion Sow.

Also selling 25 head of **COMMERCIAL GILTS** of same breeding, bred for April and May farrow, will be sold in groups of five (5) or more.

SPECIAL OFFER: Selling 10 outstanding **FALL** Boars, sired by **WESTERN PRIZE**, from richly linebred **O'BOY** Dams. All **FALL** Boars that sell for **$100** or over will be kept **FREE** of charge at our risk until April 15th. **REMEMBER!** Sire of **LADY ATTAINMENT G.**, 1952 Illinois Grand Champion Sow, was bred and sold by us. Dam of **MARGARET ALICE**, 1954 Illinois Grand Champion Sow, was bred and sold by us. The offering is richly infused with the ancestral background of these two great sows. Offering is from a **BANGS** and Rhinitis **FREE** herd, and backed by **Hampshire Swine Registry** code of fair practice. Ask for **FREE** catalog. Kindly mention this publication. Address

CARL & SYLVIA MATHESON, NEPONSET, ILLINOIS

Auct., Keith Goode — **Lunch will be served** — T. W. Sherlock, Fieldman

McGuire Hampshire Sale

Sale at 7:00 P. M. sharp, at sale barn on the farm, 1 mile north of

Wisner, Nebraska, Mon. Night, Mar. 21

SELLING 125 OF REGISTERED MEAT TYPE HAMPSHIRES

50 BRED SOWS

These sows will farrow in late March and April, and all are bred to a full brother to KING EDWARD.

50 OPEN FALL GILTS

Selling in bunches to suit the purchasers.

25 FALL BOARS

Big, rugged, meat type boars.

We will show barrows at the Fremont, Nebraska, Spring Show that are litter mates to boars and gilts in this sale. Watch for results of that show. **REMEMBER!!!** McGuire Hampshire Farms exhibited **GRAND CHAMPION CARCASS BARROWS** at two leading shows in 1954. Send now for your **FREE** catalog. Please mention this publication. Address

McGUIRE HAMPSHIRE FARM, WISNER, NEBRASKA

Auctioneer, Dick Kane — Arch Stone, Fieldman

Iowa Duroc Breeders

Story County 4-H Fair Grounds

NEVADA, IOWA

SATURDAY, MARCH 19

SHOW — 10:00 A. M.

Judge, Bernard Ebbing, Rath Packing Co.

SALE — 1:00 P. M.

65 QUALITY DUROCS

15 CHOICE LATE BRED SOWS — 25 FALL BOARS — 25 FALL GILTS

A most desirable offering from the leading breeders of Iowa. All well-grown, excellent type, genuine **MEAT-TYPE**, displaying evidence of productivity. The Bred Gilts mated to Top Herd Boars. Mostly from Champion producing blood lines. Outstanding **FALL** Boars, will make herd sires. Wonderful **FALL** Gilts, ideal for foundation. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

CLARENCE E. BUNDY, Secy., 1319 Clark St., AMES, IOWA

Auctioneer, John Hall

READ THE ADVERTISEMENTS—THEY'RE NEWS OF WHAT'S NEW

LIVESTOCK NEWS

The 40th anniversary **Polled Shorthorn** spring show and sale, Omaha, Nebr., Feb. 17 under the able direction of Mervin F. Aegerter brought out a large attendance from many states and Canada and resulted in a most satisfactory sale. The results follow:

92 bulls averaged $390
22 females averaged $268
114 head averaged $366

Harold Thieman made the awards with dispatch and in a competent manner. The grand champion bull, Defender's Glory, a son of Defender's Nugget, came from the Otto Johnson farm, Lohrville, Iowa, and sold for $1,500 to Fred Smalstig, Pittsburgh, Pa. Reserve champion bull, Alpine Model Leader 15th sold for $925 to R. C. Inman, Newdal, Manitoba, Canada. Model Gold Gloster was the second top selling bull, consigned by F. T. Brown and sold for $1,175 to Swenson Bros. Bertrand, Nebr. The choice thick, massive roan bull Apsi Mercury 2d by Cloverdale Mercury, consigned by Wayne A. Carr, Cincinnati, Iowa, went at $800 to F. Malford, Chanute, Kan. V. V. Starry Archer 2d, a Fred Bloomstrom & Sons entry, sold for $800 to Wayne Hamilton, Agenda, Kan.

The grand champion female was Bar L. Augusta 2d from the herd of Charles M. Lusk, and sold for $755 to Miles Mann, Woodbine, Iowa. The reserve champion female, Highland's Glory, from the herd of Kenneth Reynolds brought $450 and was purchased by Marvin Houks, Port Hill, Idaho. Mr. Houks also paid $500 for Scottish Gloster 3d from the Franklin Morrison farm.

Cattle went to buyers in Canada and 10 states: Iowa, Nebraska, South Dakota, North Dakota, Missouri, Kansas, Minnesota, Idaho, Texas and Pennsylvania. Auctioneers were J. E. Haisey and C. D. Swaffar.

The **Interstate Shorthorn** breeders show and sale held at Sioux City, Iowa, Feb. 14 and 15 found favorable weather this year. A good crowd of buyers from Nebraska, South Dakota, Minnesota and Iowa was present to pay satisfactory prices.

44 bulls averaged $351
23 females averaged $238
67 head averaged $312

The champion and the reserve champion each sold for $550. The champion was lot 21, Vice Consul H, entered by Held Brothers, Hinton, Iowa. Buyer was Mervin Walter & Son, Roswell, S. D. The reserve was lot 16, Spreading Elm Mark 18th, consigned by Dewar Brothers, Cherokee, Iowa.

Top of the bulls was lot 40, Bolido Supreme, entered by Gus Anderson, Hartley, Iowa. He went to Conlon Bros., Emmetsburg, Iowa for $670.

The champion female was lot 52, Fancy Meadow Flower, another of the Held Brothers entries. She sold for $450 to John Shuman, Deer Trail, Colo. Mr. Shuman was the judge of the show. Reserve champion was lot 61, Royal Beauty, entered by C. H & R. D. Arthur, Spirit Lake, Iowa. She also sold to Shuman. Held's had the second high on lot 54, Golden Wimple C. Buyer was Robert Philips, Akron, Iowa, for $405. Secretary F. E. Jackson, Hurley, So. Dak. managed the sale. Auctioneer was J. E. Haisey.

Hampshire followers from a wide area were on hand at the **Dale McGraw Hampshire** sale at Knoxville, Iowa, Feb. 3. When the last animal had passed thru the ring, buyers from Iowa, Illinois, Kentucky, and Missouri had their names on the buyers list. The top gilt went to Martins Rock River Farm, Byron, Ill., at $395, and Paul Benshoof, Blairsburg, Iowa, paid $310 for the second top.

CHERRY GOLD

Tamworth Sale!

Sale Pavilion

LAMONI, IOWA

MONDAY, MARCH 14th

Starting at 1:00 P. M.

30 OPEN GILTS
20 FALL BOARS

The best bunch of **MEAT-TYPE** boars in this part of the state. Good length, depth and width, with excellent bone and gaining-ability. Gilts equally good with at least a dozen teats apiece. **BE THERE!** Brucellosis Certificate No. 143. Phone 12F21 or write for **FREE Tamworth News**, containing catalog. Kindly mention this publication.

Don L. Price — **Weldon, Iowa**

YORKSHIRE

Iowa Champion Sale

- **25 FALL BOARS**
- **30 OPEN FALL GILTS**
- **15 BRED GILTS**

At Radio Sales Pavilion

SHENANDOAH, IOWA, 1:00 P. M.

TUESDAY, MARCH 15th

Fall pigs sired by, bred gilts mated to **OAKVALE COSMO 231H**, Grand Champion Boar, 1954 Iowa State Fair—breed's most popular champion. Write for free catalog.

Henderson Farm, Coin, Iowa

KNABE HAMPSHIRE SALE

NEHAWKA, NEBRASKA

MONDAY, MARCH 14th

Our 70th Auction Sale

35 BRED SOWS—Bred for March and April farrow, to **STYLE BUILDER**, 1954 Nebr. Gr. Ch. boar, and to **SPECIAL JR.**, a son of Knabe's Special. Included will be daughters of our 1954 Nebr. Gr. Ch. sow bred to our 1954 Nebr. Gr. Ch. boar.

40 FALL BOARS AND 30 FALL GILTS—Sired by **STYLE BUILDER, DAWN PATROL** and **BOUNCING ON JR.** A real set of fall pigs, well grown, big for their age, with lot of bone and length. The offering of bred gilts and sows is one of the good offerings we have ever sold. Send now for your **FREE** catalog. Please mention this publication. Address

HARRY M. KNABE & SON, NEHAWKA, NEBRASKA

SHADELAND FARMS 91st DUROC SALE

At farm, 5 miles west of

LUVERNE, MINNESOTA, FRIDAY, MARCH 18th

75 REGISTERED DUROCS

20 choice bred gilts mated to 1954 Minnesota Grand Champion, **LEADER BOY**, and **ACES STAR**, for March and April litters.

20 big, husky, long, deep-bodied **FALL** boars and 35 excellent open **FALL** gilts by Grand Champion, **LEADER BOY**, and **SUPER STAR**, 1953 Nebraska Grand Champion. The big, fast-growing **DUROCS** from prolific litters . . . the results of "**40 Years of Constructive Breeding.**" **FREE** catalog on request. Kindly mention this publication. Address

JUHL BROTHERS, LUVERNE, MINNESOTA

THREE BIG DAYS

MARCH 23, 24 and 25, ORIENT, IOWA

Sale Time: 1:00 P. M. at Orient Sale Barn

PONIES SELL MARCH 23 and 24, and BIG HORSES MARCH 25

will be given preference in the sale order, and at this time our intentions We reserve the right to place your stock in sale order. Registered ponies are to limit first day to ponies 46 inches and under. YOUR CONSIGNMENTS WELCOME. For further information contact:

HAROLD KILLION, GREENFIELD, IOWA

SHORTHORNS

THE "SALE OF SATISFIED BUYERS"

Comfortable sale pavilion, north edge of town, only 10 miles from Galesburg

Knoxville, Illinois

FRI., MARCH 18

Royally bred, completely unpampered Shorthorns, the money-making kind—offered by top breeders

18 Bulls, all but 2 ready for service
34 Females, one with calf, 26 bred

A special offering of 19 females from **COMRIE FARMS**, Grand Rapids, Michigan, featuring get and service of the $10,000 **KILLEARN MAX SENATOR**, and of **COMRIE FORMULA** by Calrossie Formula—a rare opportunity to buy some of the best blood of the breed.

For nearly half a century, wise buyers have been finding the right kind of Shorthorns in this sale at the prices they can afford to pay. It is always a dependable source of supply. These consignors assure of one of the richest offerings it has been our privilege to present. The consignors are:

Comrie Farms	Grand Rapids, Mich.	L. L. McIntyre	New Boston, Ill.
Arnold Bros.	Sterling, Ill.	W. C. Anderson & Son	West Liberty, Iowa
T. W. Gavin & Son	Monmouth, Ill.	Carl D. McKenzie	Armington, Ill.
H. K. Doubet	Hanna City, Ill.	Lloyd F. Burr & SSon	Lone Tree, Iowa
Herman W. Alber	Dixon, Ill.	Lloyd F. Burr & Son	Lone Tree, Iowa
Wm. E. McCoy	Farmington, Ill.	Raymond Diers	San Jose, Ill.
LoMar Farm	Sharpsburg, Ill.	Richard L. Simpson	Peoria, Ill.
Elmer Hammerand	Bellevue, Ill.		

Ask now for **FREE** catalog. Kindly mention this publication.

HAL LONGLEY, Sale Mgr., 16 So. Locust St., AURORA, ILL.
Auctioneers, J. E. Halsey and Ross Clark — T. W. Sherlock, Fieldman

HOLSTEIN DISPERSAL

Dairy Cattle Congress Sale Barn

Saturday, March 12
Waterloo, Iowa

50 REGISTERED CATTLE

20 COWS AND HEIFERS of milking age, 2 over 700 lbs. fat; 3 over 600 lbs. fat; 10 over 500 lbs. fat; a normal 4% testing herd.
10 OPEN AND BRED YEARLINGS, 12 HEIFER CALVES, 1 to 8 months old.
3 SERVICE AGE BULLS, including 2-year-old herd sire.
5 BULL CALVES, dams from 500 to 718 lbs. fat.

Featuring 39 years of continuous testing, the average for 8 years on HIR is over 400 lbs. fat 4%. **A home bred herd**, every animal selling bred and raised on the farm, except herd sire. **Constructive line breeding**, by using 3 Osborndale sires, one a Jr. Champ. Iowa State Fair; one is "Excellent," two "Plus Proven." Every animal selling has from 1 to 5 crosses of **MONTVIC LOCHINVAR. Present herd sire** (selling), 2½ years old, his 7 nearest dams average 902 lbs. fat 4%. His dam has 986 lbs. fat 4.3%. **One granddam 4 records average 1,040 lbs. fat.** Other granddam lifetime over 5,000 lbs. fat. Sire's granddam is Walters' All-American, "Excellent" and former World's record heifer with 1,040 lbs. fat 4.4%. He has over fifty "Ormsby"-"Boss Burk" crosses. This is the outstanding Holstein bull selling in Iowa this year. **4-H and F.F.A. opportunity.** 12 heifer calves sell by above herd sire. A 20% discount is given by Wessel's to any properly enrolled member buying one for a project heifer. **Herd health**, official calfhood vaccinated, Bangs test on all over 2½ years, T.B. accredited. Ask now for **FREE** catalog. Kindly mention this publication. Address

CLAUDE E. WYLAM, Sales Mgr., WAVERLY, IOWA
FLOYD WESSEL & SON, Owner, NEW HARTFORD, IOWA

OSKALOOSA OPPORTUNITY SALE

POLLED HEREFORD ASSOCIATION

SHOW — 10:30 A. M. — Wednesday, April 13th
SALE — 10:30 A. M. — Thursday, April 14th

Southern Iowa Fair Grounds

Oskaloosa, Iowa, April 13-14

110 HEAD
70 TOP BULLS — 40 CHOICE FEMALES
40 HEAD IN GREAT FUTURITY SHOW

Perhaps the best offering we have ever presented for our **11th Annual Show and Sale**, selected with care from leading herds in this area. Good bulls, well-grown, with type, quality and merit, they will please our best cattlemen. Females include cows with calves, bred cows and heifers, mated to top herd sires and attractive open heifers. (More details next issue.) Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

CALVIN CRUZEN, Sale Mgr., NEW SHARON, IOWA
Auctioneers, Freddie Chandler & Guy Pettit — Halsey, Sherlock & Stone, Fieldmen

Daylesford Farm
Draft
HEREFORD SALE

At farm, 15 miles south of Jacksonville, Ill., on alternating Highway 67, farm at edge of

Manchester, Illinios

Thurs., March 17th
+ 71 LOTS +

13 CHOICE RUGGED BULLS
9 BRED COWS — 5 BRED HEIFERS
21 ATTRACTIVE OPEN HEIFERS
23 COWS WITH CALVES AT SIDE

A most desirable offering from one of the well-known herds, where High-Class Registered Herefords are produced. 13 big rugged bulls, most all ready for service, sired by **BACA DUKE 42d, BACA STAR 10th, MW LARRY MIXER 9th, ROYAL SUPREME 33d** and **A. B. DOMINO 6th**, a variety of rich breeding. Bulls suitable for herd sires . . . you can select your herd bull here. Included is the herd bull, **BACA DUKE 42d**, a tried and proven sire. See his progeny, they will please.

THE FEMALES—23 grand young brood cows with big lusty calves at side by **MW LARRY MIXER 9th, BACA STAR 10th, BACA DUKE 42nd, R. S. SUPER PRINCEPS 10th** and **AMERICAN DOMINO 46th.** They are rebred to **TR ZATO HEIR 320th, MW LARRY MIXER 9th** and **WA ROYAL AXTELL.** 9 splendid cows well-forward in calf to same herd sires. 5 excellent heifers mated to **T. R. ZATO HEIR 320th** and 21 most attractive open heifers by **BACA DUKE 42d, BACA STAR 10th** and **MW LARRY MIXER 9th.** The 5 bred heifers are by the same sires. The type and quality of cattle that will prove profitable. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication. Address

ANDRAS BROTHERS, MANCHESTER, ILL.
Auctioneer, Jewett Fulkerson — T. W. Sherlock, Fieldman

ANNUAL IOWA STATE
SPRING HOLSTEIN SALE

Dairy Cattle Congress Pavilion

WATERLOO, IOWA, SATURDAY, MARCH 19

Starting at 12:00 Noon

Featuring: **75 REGISTERED HOLSTEINS**

ALBERT TIMM, Muscatine, Iowa, Herd—15 high record young cows, 7 fresh 30 days, 8 close springers. All on HIR test . . . records up to 578 lbs. fat 8 consecutive years, average 424 lbs. fat. Line-bred **"CRESCENT BEAUTY"** and **"MONTVIC CHIEFTAIN 7th."** 7 granddaughters of the "Excellent" **DIBBLE CRESCENT ORMSBY ESTEEM**, lifetime 3,793 lbs. fat. A year-old grandson of "Excellent" and All-American, Crescent Beauty Commander.

The Consignment Total:

30 YOUNG COWS, fresh and springing, records from **500** to **612** lbs. fat. One "Very Good", 2 from Dams over **700** lbs. fat, 1 granddam over **900** lbs. fat.
15 HEIFERS, from 1½ to 2½ years old, mostly close springers. Few bred yearlings, mated to **IOWA'S** best bulls.
20 HEIFER CALVES, 4-H and **F.F.A.** prospects. All calved between July 1 and December 1, 1954. Daughters of **IOWA'S** top sires and sisters to many winners. **20% DISCOUNT** to any bonafide Club **MEMBER**, buying 1 heifer.
10 BULLS, 8 of service age. Dams average over **500** lbs. fat. Three nearest Dams of one all over **600** lbs. fat.
OPPORTUNITY for Commercial Purebred Cows for Farmers, Dairies and others. Foundation cattle, bulls and brood cows, heifer calves for boys' and girls' projects.
BURKE — TRANSMITTER — CARNATION — LOCHINVAR PRINCE — CRESCENT BEAUTY Breeding. **T.B.** and **BANGS** tested or Official Calfhood Vaccinated. Ask now for **FREE** catalog. Kindly mention this publication. Address

WM. MAYNARD, Secy., 1930 Hawthorne Ave., WATERLOO, IA.
IOWA HOLSTEIN BREEDERS ASSOCIATION, INC.
ARTHUR GERLACH, Chairman Sale Committee, ST. ANSGAR, IOWA

Write Today For Informative Literature Offered In The Ads.

FEED **KENT** "THE FEED WITHOUT A FILLER"

FRED ROBERTS SAYS:
It is safe, easy, practical, economical and profitable to wean pigs at 2 or 3 weeks with KENT NURSERY FORMULA.

HOMEPLACE EILEENMERE 697th

OUR THANKS TO THE
BIDDERS . . . VISITORS . . . AND BUYERS ALIKE at our
Annual Production Sale, Feb. 7th

The 75 head of Homeplace Eileenmeres found new homes in 17 states at an average of $1,671. We hope they do well for their new owners.

We have a good selection of young breeding stock for sale at the Home Place. Visitors are always welcome.

PENNEY & JAMES
HAMILTON, MISSOURI ORLIN L. JAMES, Mgr.

ABERDEEN ANGUS

Angus heifers make SUPERIOR MOTHERS

Less calving trouble
Angus heifers have less calving trouble, for Angus calves have smaller, polled-shaped heads. Gives you more calves to sell.

Give more milk
Angus cows are alert, aggressive mothers . . . provide more milk for their calves. Gives you bigger calves to sell. Be ahead! Build an Angus herd! Buy Black heifers!

American Angus Assn., Chicago 9, Ill.

Brookdale Angus Farm
"he Home of The Beldoliers"

BARON OF BORDULAC by GENERAL OF BORDULAC and PRINCE BANDOLIER head our richly bred herd of BANDOLIER females. Breeding that is producing some of the breed's best cattle. Visit our farm.

John W. Asman & Son, Marion, Iowa
Farm 9 mi. north of Cedar Rapids on Highway 150

HOMELAND

Now offering a nice selection of 1953 Heifers and Bulls. All popular families and sired by our proven Herd Bulls, headed by R. L. S. PRINCE ERIC 18th. Can also spare some cows with calves at foot. See us or write your needs.

MEIER BROTHERS
Melbourne, Iowa

PINEHURST ANGUS
"The Original Home of Bandoliers"
These top sires
BANDOLIER 61 OF PINEHURST
By Bandolier Belmar 55rd
BANDOLIER 4th OF BATES
By Bandolier of Prospect 2d
Mated with 75 outstanding breeding cows. Young bulls, bred and open heifers for sale.

HENRY SCHMUCKER & SONS
Amana, Iowa
Farm 2 miles north of Amana on No. 149

HIGHLAND STOCK FARM
ANGUS HEIFERS FOR SALE
Sired by PRINCE OF RED GATE 46th, a half brother to the Eastern National Champion, Prince of Red Gate 45th. Also heifers by Model Prince Eric.

CAMPBELL BROS.
Utica, Minnesota

M. B. ANGUS FARMS
PRINCE QUALITY OF SUNBEAM
His progeny have quality and merit. Several excellent young bulls by him and our other herd bulls. BAR QUALITY M. B. by Prince Quality of Sunbeam, RAGNA'S PRINCE ERIC 21st by R.L.S. Prince Eric 24th. We have the most fashionable families. Genuine Herd Bull Prospects. Act now. Farm 12 miles S. W. of Iowa City. Visitors always welcome. Phone Sharon Center 2 on 35.

MAAS BROS., RIVERSIDE, IOWA
Meredith, Meredith, Jr., and Donald

FEED **BOW-KEY** FEED
DES MOINES · · · · · IOWA

ABERDEEN ANGUS

— EIL'TONIER ANGUS —

EILTONIER OF DEN-MOR

Consigns 3 Bulls to EASTERN IOWA SALE MAQUOKETA, IA. MARCH 9th

Ready for service. Bulls with scale and type, look them over!

MR. & MRS. HAROLD E. EILER, Tipton, Iowa

Angus Herd Sire

McHENRY BARBARA, choice Angus bull, 5-year-old. Imported breeding from Studer herd. Choice individual, weighs a TON. Gentle disposition. Never run with herd. REASONABLE.

GLENN BROWN GRAVITY, IOWA

KEMP'S ANGUS

Offering a group of heifers that will make foundation females. 8 bred heifers—9 March, April and May open yearlings—8 fine coming yearlings in September and October. Sired by ERIC EILEENMERE W. 8., grandson of Eileenmere 487th. Many show winners have originated from our herd. If you are looking for the best here they are. Also some good young bulls to select from. Come look them over.

I. E. KEMP MARION, IOWA

Calves by our Junior Herd Sire
HOMEPLACE EILEENMERE 479th

1693118 are arriving. We are happy to report they are pleasing. Younk stock for sale at all times.

ADDIS GREIMAN & SONS
Garner, Iowa

CAMPBELL ANGUS FARM
Gilmore City, Iowa
OFFERING FOR SALE
Bred cows and heifers. Also some heifer show calves. Families include Witch of Endor, Georgina, Maid of Bummera, Barbaras, and others. Bred to or by Blueboy of Ida, Prince Ear Bandolier, and Farnam Eileenmere 600th. Contact:

Bain Campbell, Gilmore City, Ia.

Good Yearling ANGUS BULLS. Genuine Prospects. Also 15 Yearling Range Bulls. Champion Breeding. Come or write.

EDGAR OF NEWHOUSE

BEN G. STUDER
Wesley, Iowa

HEREFORDS

BLUEGRASS HEREFORDS
Sale Pavilion
BLOOMFIELD, IOWA
MONDAY, MARCH 7th
30 BULLS — 30 FEMALES
Selected from leading herds of this area. Our members won many honors, including championships and Get of Sire at Iowa State Show. Good bulls and females. Rich breeding. COME!

VERDETTE ALTHEIDE, Secy.
BLOOMFIELD, IOWA

GLEN E. BUSH ELMO BUSH

BUSH HEREFORDS
MODERN TYPE CATTLE
When you are selecting a herd bull or foundation females let us help you. We have some brothers and sisters to the 1954 Minnesota State Fair Champion bull to offer. Farm 3 miles east.

LAKE PARK, IOWA

HEREFORD FEMALES
25 Registered Cows, with size, plus quality. SILVER ROYAL, TREADWAY and ROYAL DOMINO breeding. Also a proven herd sire, ROYAL DUKE. Reasonable. Call or write.

Charles Parks Steele City, Nebr.

HEREFORDS

FOREST GROVE FARM
One of Iowa's best herds of
HEREFORD CATTLE
Bulls in service
WHR Puritan Mixer 1st
By WHR Dual Mixer
FGF Pioneer Lad 15th
Champion Open Class 1951 Iowa State Sale, by Pioneer Lad 2d. Champion 1948 Iowa State Sale. Choice young bulls for your inspection. Farm 6 miles east, ½ mile south.

Herb Killian, Owner, Cedar Rapids, Ia.
PAUL WOLF, Manager

POLLED HEREFORDS

POLLED HEREFORDS

We have some strong aged bulls ready for heavy service for sale and a fine lot of young bulls coming on for both breeders and farmers. One of the breed's best known herds.

Headed by: BATTLE MIXER, P. ANXIETY ASTER. Come look them over.

P. M. CHRISTENSEN & SON, LONE ROCK, IA

CURRAN POLLED HEREFORDS
For Immediate Sale

Choice Herd Bull prospects by CBF CHOICE DOMINO 2d. Herd federally accredited, all females officially calfhood vaccinated.

Curran Stock Farm, Mason City, Iowa

WESTHAVEN PLACE

WP Conquerress 44th

Breeding stock, both bulls and females, all ages, for sale at all times.

HERD BULLS
CAPTAIN PLATO 61st
MCV DOMINO
GPH PLUS PERFECT 4th
WP CONQUEROR 30th

Always welcome at our farm.

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HEREFORD HERD SIRES

LESKAN TONY REGULATOR DOMINO 12th offered, a 2,400 lb. herd sire, also yearling Bulls and Choice Heifers bred to H. K. SUPREME ANXIETY. REASONABLE. Act Now. Phone 26F4.

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SKOW'S STOCK FARM
Horned Hereford Bulls, serviceable age. Also open heifers. Calfhood vaccinated for bangs. Sired by TH LARRY ONWARD 35th 6745189, son of Thorp's famous MW Larry Onward 13th. Reasonable.

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Breeding Stock for Sale. SIRES IN SERVICE: CMR MISCHIEF DOMINO, by CMR Rollo Domino 12th; MODEST C. LAMPLIGHTER 7th.

ERNEST DAY & SONS GRIMES, IOWA
10 miles northwest of Des Moines

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KILLEARN MAJOR

MODERN TYPE SHORTHORNS
Buy the blood of champions
N-BAR-PRINCE
International Grand Champion
KILLEARN MAJOR
The sire of champions in the strongest competition. Quality breeding stock available.

W. C. ANDERSON & SON, West Liberty, Iowa

POLLED SHORTHORNS

SHADYBROOK FARMS
The place to buy that better Polled Shorthorn bull for less money, with that extra weight for age. Sired by our two herd bulls that weigh well over a ton each.

BERT A. HANSON, VERNON CENTER, MINN.
Farm 80 miles north of Iowa line on U. S. 169

POLLED SHORTHORN BULLS
10 choice bulls for sale, 6 to 20 months old by HIGHLAND EXCELLENCE and CEDARVALE SENSATION. REASONABLE.

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DAIRY CATTLE

Notice—Dairy Calves. If calves are shipped or delivered on approval, full responsibility is assumed when purchaser accepts delivery. Remember calves are young, some are small, which must be considered when buying.

LIVESTOCK FOR SALE
Saddle Horses—young registered.
American Saddle mares.
Dairy bulls—Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey.

ANIMAL HUSBANDRY DEPARTMENT
Iowa State College Ames, Iowa

HOLSTEINS and GUERNSEYS
Choice Dairy Heifers from 350 to 900 pounds. HOLSTEINS 14c per pound and GUERNSEYS 13c per pound. All heifers sold by the pound. Also Springing Heifers and Cows. Write or call.

LINK BROTHERS, INC. MINONG, WIS.

TOP QUALITY
Holsteins, Guernseys, Brown Swiss.
All ages. Priced right.

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SELECTED DAIRY HEIFERS
AND CALVES
from nationally known America's Dairyland sold on approval. Write for free information.

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Oakland Dairy Farms, WF, Mukwonago, Wisconsin

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HOLSTEIN AND GUERNSEY DAIRY HEIFERS AND HEIFER CALVES
Any age. Will deliver any sized order on approval by truck

ROSS BLOTT, Box 527, MUKWONAGO, WIS.

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HOLSTEINS FOR SALE
MONTH OLD FOUNDATION HEIFERS.
Tested. Delivered your door collect. 50 or more on hand. Inspection invited.

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JERSEY BULLS
Buy a JERSEY Bull calf young. At 4 years old he returns your money as beef. Sometimes we have cows for sale. This is a high JERSEY herd for Iowa, 501 lbs. for 42 cows. T.B. and Bangs free.

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RAISE DUAL PURPOSE MILKING SHORTHORNS —most dependable BREED of CATTLE!

It's never safe to put all your eggs in one basket. And it's never safe to depend on single-purpose Cattle. Raise Milking Shorthorns—they're DUAL-PURPOSE. FIRST, you get 4% milk and PLENTY of it. (A Milking Shorthorn holds highest butterfat record in world, also highest records on twice-a-day milking!) SECOND, they have greatest salvage value of all milk breeds. Even if prices of both milk and meat drop, you STILL have TWO barrels loaded — you have 50% more bargaining power than one-purpose cattle raisers. Further, Milking Shorthorns convert home-grown feeds and roughage into meat, milk and butterfat most economically. Get the facts. Write for FREE facts or subscribe to Milking Shorthorn Journal, published monthly. 6 months, $1.00; one year, $2.00; 3 yrs. $5.00. Subscribe NOW! AMERICAN MILKING SHORTHORN SOCIETY, 313-WFS S. Glenstone, Springfield, Mo.

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Choice Registered Young R. M. Cows and Heifers offered. From Classified and Tested Dams. Also BULLS, quality, merit and breeding will please. Reasonable. Farm 5 mi. S. & 5 mi. E. Ph. 2083.

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MILKING SHORTHORNS
Choice Bulls and Females. Herd sire, BARRINGTON RESOLUTE by Veralcum King Arthur, out of Red Queen of London, 7 nearest Dams, 13,421—640 lbs. fat. Write or visit.

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CHESTER WHITE BRED GILTS
Sired by Lucky King, Grandmaster Model, and Repeater. Bred to Justrite Model 654931 and Royal Master 654959, for March and April farrow. These gilts are long and smooth, deep-bodied, well arched backs, heavy hammed and straight legs and feet, neat head and ear. Top breeding, pedigree, immuned. Reasonable.

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DUROC GILTS
Choice purebred gilts, mated to ADVANCE, 1953 Iowa Grand Champion and 1954 Spencer Grand Champion. A few mated to DIAMOND COMPACT, 1951 Nebraska Grand Champion. REASONABLE.

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FOR SALE:
PUREBRED HAMPSHIRE FALL BOARS
Sired by a son of the Illinois Grand Champion. Well grown, with bone and quality. Reasonable prices. Accredited herd No. 43. Farm 2¾ miles north of Sioux Center on Highway 75.

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Sioux Center, Iowa

HAMPSHIRE FALL PIGS
1954 REGISTERED
50 Boars, 75 Open Gilts, belted and off belts, just the thing for August fall pigs. 1 Reg. Hereford bull. Bangs tested. 6 pony foals.

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HEREFORD HOGS
Choice modern type gilts, bred to HAWKEYE MODEL, champion All-Iowa Fair and other TOP Boars. Also extra choice BOARS for sale.

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Norway, Iowa

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MEAT TYPE BOARS
We have best quality boars to offer the year around. Our hogs are from litter-tested herd boars, and especially bred to raise more pigs, at less feed cost and produce a real MEAT TYPE carcass. Vaccinated for Cholera, Erysipelas and Brucellosis clean.

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Mt. Pleasant, Iowa

HYBRID HOGS
Meat Type Hybrid — Get the Full Story
1. Save 20 lbs. feed per 100 lbs. gain.
2. Raise 1-2 more pigs per litter.
3. Go to market 2 weeks sooner.

HERE'S PROOF: Over ¾ million pigs sired by Wilson Hybrid Boars—700 customers—7 years continuous increase in sales. Vaccinated for Cholera and Erysipelas, blood tested. Guaranteed breeders. Free delivery. Write for free literature. Dealership available.

WILSON HYBRID HOG ASSN., Harlan, Iowa

LUCIE HYBRID BOARS
The only herd backed by 16 years performance testing.
1. Save 10 to 20% on feed.
2. Produce MEAT-TYPE hogs.
3. Raise more pigs per litter.
4. Go to market 2 weeks earlier.

1½ Million pigs sired by LUCIE HYBRID BOARS
Guaranteed breeders. We deliver. Phone 265F6. Farm 1½ miles northwest.

LUCIE HYBRID HOG FARMS, Augusta, Illinois

RHINITIS Has Been CONTROLLED

In the November 7, 1953 issue an article titled "Rhinitis Can Be Controlled" appeared. This brought wonderful news to hog raisers who had almost given up hope because of this plague. On March 6, 1954, another article under the title "Some One Is Wrong" gave additional proof that it was not necessary to get rid of or destroy Rhinitis infected pigs. These articles stated facts resulting from extensive research at Eagle Grove, Iowa. They told of successful treatments that gave definite and heartening results. Now, Dean W. Myers is again contributing information that is of utmost importance to every hog raiser.

Dean W. Myers

They Had RHINITIS

By Dean W. Myers

One of the pens of Rhinitis infected pigs that were put on the M & M control program. Facts from these tests have set hog raisers talking.

THESE pigs definitely had Rhinitis. The farmer was advised to destroy the pigs, clean up his yards, and stay out of the hog business for a while because there was no known cure or control for Rhinitis.

How many of you hog raisers have been told this?

We bought these pigs and they went to market. They were sold on a Grade and Yield basis to a Fort Dodge, Iowa, packing plant and they graded above average. We received a premium above market price for them.

This practice has been repeated many times and we have marketed hundreds of such animals that have graded above average, proof that *RHINITIS HAS BEEN CONTROLLED.*

The same pigs as shown in the above picture after being on the M & M Rhinitis Control Program. These went to market at a profit.

Therefore, we are of the opinion that it would pay you to contact the M & M Livestock Products Co. when Rhinitis strikes, and by all means before killing or disposing of your pigs. We can control Rhinitis and would like to have the pigs if you do not care to treat them yourself. Our program is simple and inexpensive. We have testimonials in our files from hog men throughout the Middle West, who have successfully used our plan and highly recommend it to their friends.

NOTE: M & M Livestock Products Co. has available for group meetings a technicolor, SOUND FILM entitled "They Go To Market." There is no charge other than postage for this film when requested by responsible people. This film reveals a Rhinitis story well worth your seeing.

We have a complete program worked out for the control of Rhinitis, and will be happy to mail it to anyone for the asking. Just write **M & M Livestock Products Co., Eagle Grove, Iowa, phone 22.** (Advertisement)

Coming Livestock Sales

ANGUS

Mar. 9—Fisher & Boles Bros., Milford, Iowa (Dispersion). Sale at Spencer, Iowa.
Mar. 9—Eastern Iowa Angus Breeders, Maquoketa, Iowa. Oliver A. Hanson, Sale Mgr., Durant, Iowa.
Mar. 9—Charlton Valley Breeders, Kirksville, Mo. Grover Moritz, Secy.
Mar. 10—Northeast Missouri Breeders, Memphis, Mo. Paul Van Meter, Secy., Queen City, Mo.
Mar. 12—B. A. Dye, Wyanet, Ill., sale at Princeton, Ill. J. B. McCorkle, Sale Mgr., Smithville, Mo.
Mar. 14—Sullivan County Breeders Assn., Milan, Mo. James Brown, Jr., Secy., Newtown, Mo.
Mar. 14—Page County Angus Breeders, Clarinda, Iowa. LeRoy S. Miller, Secy.
Mar. 15—Grand River Angus Breeders, Princeton, Mo. Marion Summers, Secy.
Mar. 16—Bureau County Breeders, Princeton, Ill. Lyle Elten, Secy., Ladd, Ill.
Mar. 19—Mercer County Breeders, Aledo, Ill. Hugh McWhorter, Secy.
Mar. 21—Ames Aberdeen-Angus Breeders Assn., Ames, Iowa. Howard E. Ames, Secy.
Mar. 25—Goose Creek Farms, 9th Production sale, Muscatine, Iowa. Sale at Columbus Jct., Iowa. Forrest M. Larmer, Mgr., Muscatine, Iowa.
Mar. 26—Wilton Farms, Otto & Dick Nobis, Davenport, Iowa.
Mar. 28—F. M. Bradley & Sons, (Dissolution) Avon, Ill.
Mar. 28—Marion County Angus, Knoxville, Iowa. Duane Bingaman, Mgr., Columbia, Iowa. Avon, Ill.
Mar. 29—Northeast Iowa Breeders, Cedar Falls, Iowa. Bob Robinson, Mgr., Masonville, Iowa.
Mar. 31—Pleasant Valley Farm, Cornelius Tulsen (Dispersion), Maquoketa, Iowa. Oliver A. Hanson, Sale Mgr., Durant, Iowa.
Apr. 1—West Grand Aberdeen-Angus Association sale, Gallatin, Mo. Orville E. Allen, Pres., Kidder, Mo.
Apr. 2—David & Margaret Miller, Sun-Up Farms, Smithville, Mo. Donald J. Bowman, Sale Mgr., Hamilton, Mo.
Apr. 11—Red Oak Farms, Rocky Comfort, Mo.
Apr. 19—Clark Angus Farm, Rea, Mo. Sale at Maryville, Mo.
Apr. 19—Poweshiek County Angus Breeders sale, Grinnell, Iowa. Burdett Farley, Secy., Malcom, Iowa.
Apr. 20—South Central Iowa Breeders show and sale, Oskaloosa, Iowa. Clyde A. Hanna, Secy.
Apr. 23—Southeast Iowa Angus Assn., Mt. Pleasant, Iowa. Kenneth Redfern, Secy., Yarmouth, Iowa.
Apr. 25—Iowa Southern Breeders, Leon, Iowa. Lyle Miller, Secy., Osceola, Iowa.
Apr. 28—Wayne County Aberdeen-Angus Assn., Corydon, Iowa. Tom Lockridge, Mgr., Russell, Iowa.
May 7—Kentridge, Mr. and Mrs. G. A. Kent, owners, Muscatine, Iowa.
May 23—Tallcorn Breeders Assn., Marshalltown, Iowa. C. G. Mason, Secy.
May 25—Hawkeye Angus Breeders sale, Cedar Rapids, Iowa. Albert Stuart, Secy., Newhall, Iowa.
May 27—Four County Association, Stuart, Iowa. W. W. Herkelman, Mgr., Dexter, Iowa.
June 6—Hopley Stock Farm, Atlantic, Iowa.

HEREFORDS

Mar. 7—Bluegrass Hereford Assn. Spring sale, Bloomfield, Iowa. James Burns, Secy., Pulaski, Iowa.
Mar. 7—Bones Hereford Ranch, Parker, So. Dak.
Mar. 8—Pim, Meyer & Chandler, Chariton, Iowa.
Mar. 9—Southeast Iowa Hereford Breeders, Mt. Pleasant, Iowa. N. K. Hartley, Secy., Hillsboro, Iowa.
Mar. 11-12—Western Illinois Breeders Assn. show and sale, Macomb, Ill. Robert Allen, Secy., Warsaw, Iowa.
Mar. 12—Adel sale, Adel, Iowa. Albert DeWitt, Mgr., Peru, Iowa.
Mar. 15—J. M. McGreer & Son, Red Oak, Iowa.
Mar. 17—Andras Bros., Daylesford Farm, Manchester, Ill.
Mar. 19—Marion County Hereford Association, Knoxville, Iowa. Walter L. Brown, Sale Mgr.
Mar. 21—Northwest Missouri Breeders, Maryville, Mo.
Mar. 23—North Central Missouri Assn., Chillicothe, Mo. Mrs. Lora Ashlock, Secy.
Mar. 25—Illinois Hereford Assn., Princeton, Ill. E. Glenn Ash, Secy., Harristown, Ill.
Mar. 30—Blue Grass Breeders Assn., Princeton, Mo. R. N. Taylor, Secy., Newtown, Mo.
Apr. 9—Grant County Breeders Assn., Lancaster, Wis. Clive Brown, Secy.
Apr. 11-12—Edgcliff Farms, Potosi, Mo. Fulerson Sale Service, Mgrs., Liberty, Mo.

HEREFORDS

Apr. 15—Robert K. Faust (Dispersion), West Union, Iowa.
Apr. 16—Grand River Hereford Association, Gallatin, Mo. Carl G. Morrison, Secy.
Apr. 20—Northeast Hereford Breeders, Memphis, Mo. Vernon Winkler, Secy.
Apr. 20—Southwest Iowa Breeders, Red Oak, Iowa. J. W. Pogue, Mgr., Villisca, Iowa.
Apr. 22-23—Circle A Farms, Fred W. Anderson, Morris, Ill.
Apr. 25—Midiowa Hereford Assn. sale, Marshalltown, Iowa. Mrs. Harold Peterson, Secy., Liscomb, Iowa.
Apr. 30—Bones Hereford Ranch, Parker, So. Dak.
May. 25—Clark Grandfield, Lorimer, Iowa.

POLLED HEREFORDS

Mar. 7—Diamond A and Three "C," Adams, Courtland, Chapman-Couch, Allendale, Ill.
Apr. 1-2—Illinois Polled Hereford Breeders show and sale, Springfield, Ill. Ernest Painter, Secy., La Harpe, Ill.
Apr. 5—Upper Mid-West Polled Hereford Association sale, South St. Paul, Minn. C. J. Kunas, Secy., Red Wing, Minn.
Apr. 13-14—Southeast Iowa Polled Hereford Association show and sale, Oskaloosa, Iowa. Calvin Crozen, Sale, Mgr., New Sharon, Iowa.
Apr. 20—Southwest Iowa Breeders, Red Oak, Iowa. J. W. Pogue, Mgr., Villisca, Iowa.
May 2—Gimbusch Polled Hereford Farm, Dell Rapids, So. Dak.
July 9—O'Bryan Ranch row and calf sale, Hiattville, Kan.

RED POLL

Mar. 29—Upper Midwest Red Poll Cattle sale, Mason City, Iowa. A. L. Gilbert, Sale Mgr., Fairbank, Iowa.

SHORTHORNS

Mar. 7-8—Iowa Royal show and sale, Des Moines, Iowa. Albert Hamann, Sale Mgr., Rock Rapids, Iowa.
Mar. 11—Hawkeye Downs Annual Spring sale, Cedar Rapids, Iowa. E. S. Girton, Sale Mgr., Box 452, Vinton, Iowa.
Mar. 18—"Sale of Satisfied Roisers," Knoxville, Ill. Hal Laughey, Sale Mgr., 16 S. Locust St., Aurora, Ill.
Mar. 28—Northwest Missouri Breeders, Maryville, Mo. Dr. L. W. Landfather, Mgr., 412 W. 2d St.
Apr. 11—Marion County Breeders, Knoxville, Iowa. Merrill L. Robuck, Secy., Pleasantville, Iowa.
Apr. 16—12th Semi-annual Central States show and sale, Oskaloosa, Iowa. C. Emory Stewart, Sale Mgr., Rose Hill, Iowa.
Apr. 29—Lisle Farquhar, Cuba, Iowa, sale at Clarinda, Iowa. Albert J. Hamann, Sale Mgr., Rock Rapids, Iowa.
June 2—Minnesota state show and sale, Blue Earth, Minn. Norman T. Findahl, Secy., Waterville, Minn.
June 16—Southwest Iowa Breeders, Red Oak, Iowa. Lloyd H. Davis, Mgr., Oakland.

POLLED SHORTHORNS

Mar. 29—Iowa Polled Shorthorn Breeders, Ames, Iowa. Wayne A. Carr, Sale Mgr., Cincinatti, Iowa.
Apr. 11—Missouri Breeders show and sale, Rockport, Mo. Rollo E. Singleton, Sale Mgr., Jefferson City, Mo.
June 16—Southwest Iowa Breeders, Red Oak, Iowa. Lloyd H. Davis, Secy.-Mgr., Oakland, Iowa.

DAIRY CATTLE

Mar. 12—Floyd Wessel & Son Holstein Dispersal sale, New Hartford. Sale at Waterloo, Iowa. Claude E. Wylam, Sale Mgr., Waverly, Iowa.
Mar. 19—Iowa Holstein Breeders Spring sale, Waterloo, Iowa. Bill Maynard, Secy., 1930 Hawthorne Ave., Waterloo, Iowa.
Apr. 22—Iowa State Guernsey sale, Waterloo, Iowa. M. W. Sprole, Mgr., Box 76, Mason City, Iowa.
Apr. 30—Alfred D. Dodds & Sons, Blockton, (Jersey dispersal.) Ivan N. Gates, Sale Mgr., Wes Liberty, Iowa.

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TERMS
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BERKSHIRES

Mar. 29—Milo Wolrab, Mt. Vernon, Iowa. Sale at Cedar Rapids, Iowa.

CHESTER WHITES

Mar. 26—Spotlight show and sale, Cedar Rapids, Iowa.

DUROCS

Mar. 18—Juhl Bros., Laverne, Minn.
Mar. 19—Iowa Duroc Breeders Assn., Nevada, Iowa. Clarence E. Bandy, Secy., 1319 Clark St., Ames, Iowa.

HAMPSHIRES

Mar. 14—Harry Kaube Son, Nehawaka, Nebr.
Mar. 21—(Night sale) McGuire Hampshire Farm, Wisner, Nebr.
Mar. 22—Carl and Sylvia Matheson, Neponset, Ill.
Apr. 1—(Night sale) C. T. Keen & Son, Le Grand, Iowa.
Apr. 9—(Night sale) Cecil Wilson, Lenox, Iowa.
Apr. 11—(Night sale) Iowa State sale, Cedar Rapids, Iowa.

LANDRACE

Apr. 2—Don Koch, Latimer, Iowa.

TAMWORTH

Mar. 7-8—Minnesota Tamworth Association, New Ulm, Minn. L. D. Vaugeness, Mgr., Kenyon, Minn.
Mar. 14—Don L. Price, Weldon, Iowa. Sale at Lamoni, Iowa.

YORKSHIRES

Mar. 14—Harry Knabe Son, Nehawaka, Nebr.
Mar. 15—Henderson Farm, Coin, Iowa. Sale at Shenandoah, Iowa.

DRAFT HORSES

Mar. 9—Percherons and Belgians, Indianapolis, Ind. C. O. House, Mgr., Arcadia, Ind.
Apr. 13-14—Tri-State Draft Horse Breeders show and sale, Austin, Minn. Don Schneckloth, Mgr., R. 3, Davenport, Iowa.

SHEEP

June 15-16—Eleventh Annual Midwest Stud Ram show and sale, Sedalia, Mo. Rollo E. Singleton, Sale Mgr., Jefferson City, Mo.

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POLAND CHINA bred gilts with size and quality. Bred for March farrow to outstanding boars. Priced right.
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Choice Bred Gilts to farrow in February and March. A few tried sows. Good Fall and Spring Boars. All BANGS FREE.
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BREEDERS ASSOCIATION
For **FREE** information about YORKSHIRES and list of Iowa Yorkshire Breeders, write now.
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YORKSHIRES
Choice well-grown sows and gilts, bred to Champion Boar at National Barrow Show, others to 1953 Minn. Jr. Champion. Will farrow from late Jan. to last of April. Come early, get choice. Phone 2587. (Farm 1½ miles east and ¼ mile south.)
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OAKVALE COSMO 231H, 1954 Iowa Junior and Grand Champion Yorkshire Boar. Owned jointly by Henderson Farm, Coin, Iowa, and Dorsey Bros., Dorchester, Nebr.

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Choice Sows and Gilts, bred to **ROSDALE 23H,** the heaviest boned Yorkshire boar in Iowa, and **L.V.H. ENGLISH MAN 1J,** top son of 1954 Illinois Champion. Also a few fall boars ready for service. Farm 2 miles E., ¾ mile N. Phone 2577.
MERRITT COOK, (Mac Co.), NEMAHA, IOWA

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Excellent for Cross Breeding, large selection, rugged **ENGLISH** Type. **SUPREME** exhibitor award 1954 Illinois and Wisconsin State Fairs. Ask for **FREE** illustrated circular and prices.
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My entire flock of **20** Registered **OXFORD EWES,** to lamb in March. Also two stud **RAMS** and **3** yearling **RAMS.** Top blood lines. **Reasonable.**
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America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed.
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Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
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GENUINE
ENGLISH SHEPHERD PUPS
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Choice pups raised from natural heelers. Guaranteed satisfaction. Training instructions. Some partly trained.
BROOKVIEW KENNEL FARM, Ayrshire, Iowa
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SCOTCH COLLIE PUPPIES
AKC eligible. Lassie Type. **GOLDEN SABLE** and **WHITE.** Excellent workers, the child's friend. Beautiful, intelligent, home raised. Satisfaction guaranteed.
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ONLY Lever Flexible Harrow with

UNIFORM ANGLING OF ALL 5 BARS

- Easily replaceable shouldered and nutted Teeth
- Reversible Teeth
- Double adjustment Bars for Added Strength
- High Carbon Steel Bars

OE 5½ HARROW, $24.88

DS 40 HARROW, $22.38

FB 1 HARROW, $18.38

All prices FOB our warehouses

FULLY GUARANTEED

Replacement or Money Back! All material, workmanship and satisfactory performance unconditionally guaranteed.

LINDSAY BROS. CO.

HARROW TEETH

- Each tooth locked on with Lock Washer
- Strong as Railroad Tracks. ½-in. high Carbon Steel
- Forged to hard, diamond point
- Better cutting and penetration
- Guaranteed to outlast any other teeth of equal weight

LINDSAY HARROWS

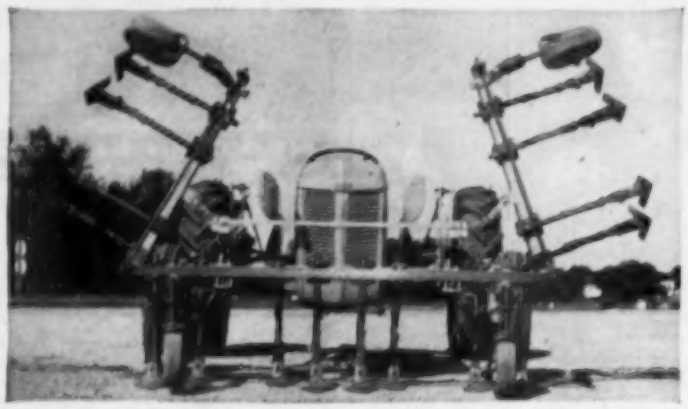
LINDSAY BROS. Co.

Des Moines, Iowa

Sioux Falls, S. D.—Fargo, N. D.—Omaha, Neb. Minneapolis, Minn. — Mason City, Iowa

✻ For full information, write your name on the border and mail to Lindsay Bros. Co.

For further information about any of the products shown here, write to Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.



Four-row cultivator folds up for passing thru gates. You can leave ends up and cultivate two rows instead of four. High clearance—12 inches—is helpful around ditches. Made by Currie Manufacturing Co.

Seeder has 15-bushel hopper. Also built-in grass seeder, dual spreading fans, augers and agitators. You can use draw-bar tools with seeder on tractor. Seed control panel in reach of operator. Hi-Speed seeder is offered by the Allied Equipment Corporation.

Saw comes with conversion kit that turns it into post-hole digger. Driven by fluid motor. Pump for motor attaches to power-take-off on standard tractors. Made by Von Ruden Mfg. Co.

Compressor has detachable air tank. Take it where you need it, when you need it, to inflate tires, grease under pressure, spray, etc. Top-Air is manufactured by Farmech.

Water heater has eye level control. Comes in colors and fits into the color scheme of your kitchen or utility room. New models are in tones of aqua, copper and white. Both gas and electric models are being made by Permaglas Division of the A. O. Smith Corporation.

Read the fascinating Columbus Story "The Town That Discovered Itself" Reader's Digest MARCH ISSUE

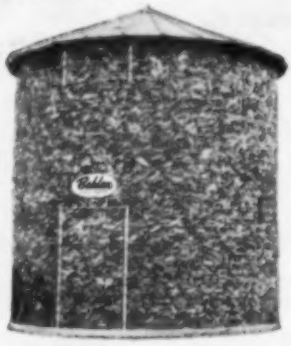
Why **Behlen**

All-Metal Bar Mesh Corn Cribs Last Up To 6 TIMES LONGER!

★ Post-Fab galvanizing covers the entire crib with a heavy zinc coating—after all welding. NO WELD SPOTS ARE EXPOSED FOR RUSTING.

★ Zinc coating is actually up to 6 times heavier than that used on other cribs—for greatest resistance to rust and weather-wear. Assures up to 6 times more durability.

★ Behlen Cribs are strong, sturdy—made of No. 2 gauge steel bars—over ¼" in diameter.



Amazing Demand Brings Big Savings In Cost and NEW LOW PRICES!

Now Behlen announces a special price reduction! Increased demand for Behlen Cribs and improved production methods have resulted in lower manufacturing costs. We are happy to pass this saving on to our customers.

ADDITIONAL WINTER DISCOUNT is yours if you ORDER NOW! By placing your order during the "off-season" winter months YOU SAVE EVEN MORE! But hurry, additional discount offer is limited. See your Behlen Dealer TODAY, or write for full information.

Behlen . . . the FIRST Really NEW GRAIN STORAGE BIN in 20 Years

- Deep corrugation for extra strength
- Double seal door

BEHLEN MANUFACTURING CO.
Dept. 43 Columbus, Nebraska

NOW, At The Same Low Cost **HAIL INSURANCE** *Plus* Fire and Lightning Coverages

Hawkeye Mutual HAIL INSURANCE COMPANY FORT DODGE, IOWA

Young milk stock was held on farms in 1954 while dairymen reduced milk cow numbers one percent. Dairymen evidently culled old cows closely, but held she-stock for quick replacements. Number on farms January 1 was almost exactly the same as one year before.

What's Ahead...

FEEDING HOGS to heavy weights offers little chance for profit this spring. Hogs are cheaper than corn. And docks for heavies will likely equal price increases. February spread between lights and heavies was over a dollar per 100 pounds.

Homer Hush

Anyway, feeding hogs to heavy weights tends to prevent price gains. Extra weight adds to pork and lard supplies. And fat pork is not picked up readily at meat counters.

If all hog raisers would sell this crop of hogs at maximum weights of 200 pounds, producers would benefit price-wise, and consumers would be better pleased with the quality of the product.

HOG MARKETING OUTLOOK for the year ahead indicates nine percent more hogs than last year. For the four months, February thru May, 11 percent more hogs than last year are expected. This is from a survey of Iowa and northern Illinois farmers by Iowa State College and the Chicago stockyards. It fits in pretty well with national figures.

CATTLE OUTLOOK for two or three years ahead indicates heavy slaughter of cattle and calves. Total cattle on farms reached a new high January 1. See page 62 for details about the January 1 Livestock and Poultry Census.

THE SHORT TERM cattle outlook also indicates big slaughter supplies. Cattle on feed January 1 were eight percent above one year before. This year, there are lots of heifers in the feedlots.

For March, Iowa farmers indicate they will market four percent more cattle than for the month last year. And 23 percent above the five-year average. Estimate is from the Iowa Crop and Livestock Reporting Service. No reason appears to indicate Iowa marketings will be much different than for the nation.

SOME CREDIT TIGHTENING appears to be ahead in support of the policy to avoid either inflation or deflation. Higher interest rates are being suggested by men in the Federal Reserve System. The inflationary threat is in industrial prices, not in farm prices. Debt from installment buying reached a peak of 22.4 billion at the end of 1954.

YOU CAN SEAL 1954 corn until May 31. But moisture content and crib widths must meet requirements in your county if you are to get loans.

Around the Farm AND IN THE Feed Lot

by E. A. KELLOWAY

DEVELOPMENT of a new insecticide was announced in Washington recently. It's called DDVP and is supposed to be more powerful in killing insects and less harmful to humans and animals. Its greatest use could come where flies and other insects have developed resistance to DDT.

A DECADE AGO, the farmer's wife averaged four hours a day at her stove and her city counterpart took three hours to get the meals. Today, an apartment wife hustles up three good meals in one hour and 50 minutes, while a farm wife needs 30 minutes longer. One reason for spending less time in kitchens, aside from better appliances, is that we buy a lot of meat in cans. Yearly that amounts to 1½ billion pounds . . . or three times as much as back in 1940.

WHAT HAPPENS to carcass quality in feeding supplements with Stilbestrol? Sixty-six head of Angus of average quality were marketed at St. Joseph, Dec. 13, and graded "Choice." They brought $26.00 and the Packer reported, "Most useful carcasses I have EVER seen. No waste on the inside and good marbling." Yield was 59.06%. These cattle were fed for 340 days on a high roughage ration. During the last 91 days, one pound of "4x4" Beef Supplement with Stilbestrol per head per day was added. The cattle averaged 1.85 pounds of gain per head per day overall. But they averaged 2.7 pounds per head per day during the 91 days on "4x4" Beef Supplement with Stilbestrol!

THE CORN BORER situation this year doesn't look good! Weather will be a factor of course but government experts are predicting plenty of trouble in the Corn Belt. A survey of 13 North Central states last fall turned up 223 borers per 100 stalks . . . a similar check a year earlier found only 114 for the same number of stalks. Potentially the worst areas appear to be Central Iowa, Southeastern South Dakota, and Central Illinois.

HOG PRODUCERS using Walnut Grove's Early Weaning Program: (1) Saved more pigs; (2) Saved weight on the sows; (3) Re-bred sows earlier; (4) Were not troubled with scours after weaning pigs; (5) Had pigs weighing up to 10 pounds more at six weeks; and (6) Raised more pigs in less space. Why not try Walnut Grove's Early Weaning Program and prove it for yourself? Walnut Grove's program features "4x4" Pig Pre-Starter, a dry feed developed by Iowa State College and "Baby 4x4" Creep Supplement or "4x4" Pig Toasties. You'll get pigs weighing 45 to 55 pounds at 8 weeks at a cost of $4.09 per pig or less, including home-grown grains.

A FEEDING PROGRAM—not just a bag of feed—means more today than ever before. Competition is forcing wise hog producers to use the latest discoveries in swine nutrition to cut feed costs. Walnut Grove's "4x4" Swine Program is your answer. After baby pigs reach 8 weeks (see paragraph above), "4x4" Hog Grower supplies the proper balance of vitamins, antibiotics, minerals and protein for economical gains until the hogs reach 125 pounds. Here the hogs' needs change, and "4x4" Breeder-Finisher will pack on profitable gains up to market weight. The complete Walnut Grove swine program means 220-pound hogs for a feed cost of 10½ to 11 cents per pound of gain, including home-grown grains.

THE AMERICAN COWBOY, an important member in the team that transports and transforms livestock into steaks, roasts and stews on our dinner tables, celebrates his 300th anniversary this year. Generally thought of as a symbol of the West, historical findings show the first big organized cattle drive by "cowboys" in the U. S. took place in Massachusetts back in 1655.

WITH NATIONAL FFA week just ended, the Iowa Association announces plans to hold its 27th annual convention at Council Bluffs April 21-23. This will be another fine convention by Iowa FFA'ers as they convene to receive recognition, elect officers and otherwise do their business. Presiding over the convention will be President Howard Linder of Sigourney.

JUST WEEKS ago the first bag of "4x4" Chick Starter 241 came off the Walnut Grove production line. And already, poultry-raisers are finding that it's the answer for sure "growth power" in baby chicks. A complete feed, containing corn flakes, it's high in energy and low in fiber. Starter 241 is made for the tiny digestive system of a baby chick. TWO pounds fed for FOUR weeks will give you a ONE-pound chick. We know—that's why we named it —Chick Starter 241.

THE IOWA FARM Safety Council holds its annual meeting in a few days at Des Moines. Scheduled March 11, sessions will be presided over by B. W. Lodwick, chairman for the past two years and who we think has done a good job. The Council, you know, is made up of volunteers who give freely of their time and service to help cut down the terrible death and accident toll among us farmers.

IT MAY BE some day that fresh eggs, fortified with extra amounts of Vitamin B_{12} will be sold as growth stimulants for children and as safeguards against anemia. Scientists with the Department of Agriculture have completed preliminary experiments which show that Vitamin B_{12} fed to laying hens or given by injection is carried in the egg. B_{12}'s function in the human body is not completely understood but it's known to stimulate the growth of children.

MORE THAN FOUR million babies were born in this country last year and our population is headed in about 15 years or so toward a total of 200 million persons. And despite the fact that there are more mouths to feed, Americans live longer and better partly because they're eating better—especially more high protein foods such as the meat, milk products and poultry we produce.

AND YOU can produce more of these high protein foods if you'll take the advice of your local Walnut Grove representative. He's been carefully trained by Walnut Grove to help you with all your chicken, hog and cattle feeding problems. If you don't know his name, write to me at Atlantic, Iowa, and I'll do the rest.

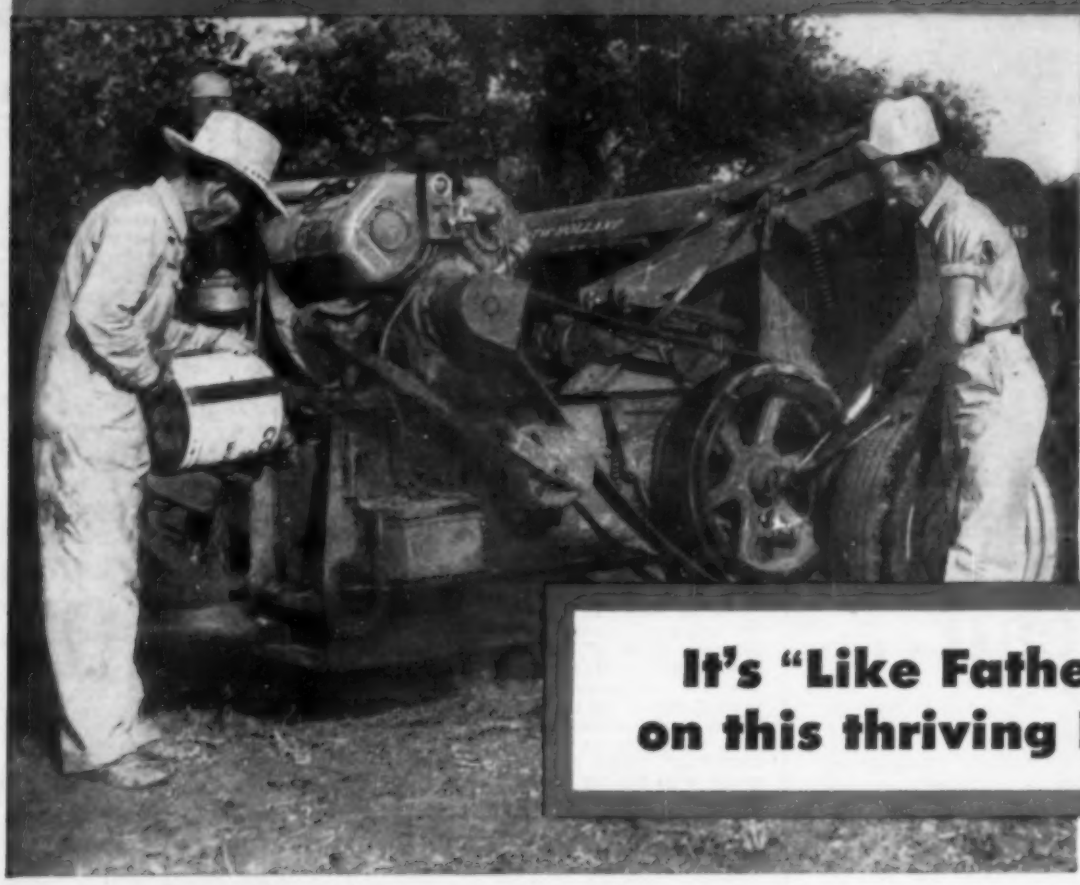
IOWANS HAVE a bigger interest in the canned corn business than they realize. This state's 1954 output of canned corn was large enough to supply each family in Iowa with 84 of the number two cans. In 48 counties 27½ thousand acres were planted to corn intended for canning.

Walnut Grove PRODUCTS CO., INC.
HOME OFFICE • ATLANTIC, IOWA

MAKERS OF 4x4 COMPLETE SUPPLEMENTS

"4x4" Hog Supplement
Baby "4x4" Creep Sup.
"4x4" Mosmelk
"4x4" Beef Supplement
"4x4" Dairy Supplement
"4x4" Super Calf Sup.
"4x4" Starter-Grower
"4x4" Poultry Balancer
Walnut Grove Minerals

THE TANK TRUCK



How many partners in this picture? With plenty of custom and regular farming to do, Ben Anderson (left), and partner-son Stan rely on two "Super-partners" to help keep their farm machinery in shape. Here, they team up New Conoco Super Motor Oil and Conoco Super Lube—the all-purpose grease—in their New Holland Pickup Hay Baler.

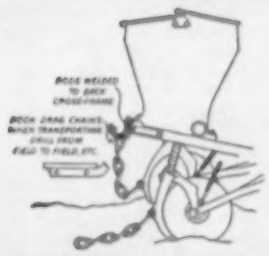
It's "Like Father, Like Son" on this thriving Kansas farm!

"Spring-Condition" your equipment with these great Super products!

With heavy Spring plantings coming up, you'll want *all* your machinery to perform at its best. New Conoco Super Motor Oil keeps engines humming by conquering both friction and acid, the major causes of engine wear. *Oil-Plating*® fastens a tough film of lubricant to engine parts to assure full-time protection against friction wear. And *Oil-Cleansing* guards against corrosion by virtually *rust-proofing* your engine, by *neutralizing* engine acids instantly, and by sealing up dirt and dust until oil-draining time.

Conoco Super Lube, the all-purpose grease, does a great job at every lubrication point, including bearings, water pump, and universals. This distinctive red grease is water resistant, heat resistant, has tremendously improved sticking power. Ask your Conoco man for both of these Super-products today!

Drag Chain Hooks



To prevent drag-chain damage, make 3 hooks, as shown, out of 3/8"-rod. Space properly and weld to cross-frame of grain drill. Chains may be hung on hooks when transporting drill from field to field. Idea from Howard Rasmussen of Tomah, Wisconsin.

Saws for Ideas!

Send your original ideas to *The Tank Truck*, Dept. L, Continental Oil Company, Ponca City, Oklahoma, and get a D-15 Henry Disston Hand Saw, worth $10.25 for every idea printed. All ideas become the property of Continental Oil Company.

Out around Marion, Kansas, way, you'll hear fine words said about the up-and-coming farm run by Ben Anderson and his partner-son Stanley. Ever since Stan's discharge from service in '46, this 465-acre spread has been coming up with bumper crops . . . *and* good profits!

Of course, it takes plenty of smooth-running equipment to care for 70 acres of cornland, 145 acres of maize, 200 acres of wheat, and 50 acres of barley—to say nothing of feeding over 90 head of hungry yearlings!

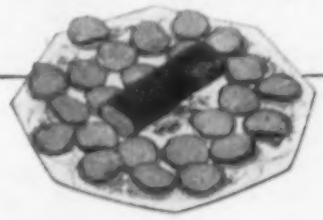
That's why Ben Anderson has been using Conoco products in all his machinery for over 26 years. Today, you'll find plenty of Conoco Super Lube—the all-purpose grease—and New Conoco Super Motor Oil in the Andersons' busy workshop, enough to lubricate 3 tractors, a combine, a baler, and other needed equipment.

"Conoco products have always kept our maintenance costs at a very minimum," says Ben, "and they net us real savings in both time and money." As for Stan, he goes right along with Dad, by adding: ". . . and with Conoco on the job, we combine true economy with the utmost in lubrication. You just can't beat New Conoco Super Motor Oil and Conoco Super Lube!"

Like Ben and Stan Anderson, thousands of dollar-conscious farmers save time, trouble and cash with superior Conoco products. Find out HOW by calling your Conoco man today!

SWISS CANAPÉS

by Mrs. C. R. Taylor, RFD #3, Stamford, Texas



1 lb. American cheese
1 package cream cheese (or any soft cheese)
1 cup chopped nuts
1 clove garlic
Dash of salt
Chili powder

Grind all ingredients together and mix thoroughly. Form into rolls about half-dollar size, then dust in chili powder. Chill. Cut in thin slices. Serve on crackers.

SHEARS FOR RECIPES! Send favorite recipes to Mrs. Annie Lee Wheeler, Dept. L, Conoco Cafeteria, Ponca City, Oklahoma. A pair of Wiss Pinking Shears, worth $8.95, awarded for every recipe published with your name. All recipes become the property of Continental Oil Company.

PRODUCTS YOU CAN DEPEND ON!

CONOCO

New Conoco Super Motor Oil
Conoco HD Oil
Conoco Super Lube
Conoco Kerosene
Conoco Super Gasoline with TCP*
Conoco Tractor Fuel
Conoco Diesel Fuel
Conoco Gasoline
Conoco Transmission Oil
Conoco Pressure Lubricant
Conoco Anti-Freezes

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